DECEMBER 15, 1959

AUTOMOTIVE INDUSTRIES
A CHILTON PUBLICATION

THE 1960 PRODUCTS GUIDE

BUYERS' DIRECTORY FOR DESIGN AND PRODUCTION EXECUTIVES

LISTING PARTS, COMPONENTS, PRODUCTION AND PLANT EQUIPMENT, MATERIALS AND SUPPLIES

if you surface grind small work

CHUCK IT HERE

on the HEALD MODEL 161 ROTARY

WHEN you want to get a better finish, easier and at *lower cost*, put your small surface grinding work on a Heald Model 161 Rotary. Available with a standard 6" chuck and 8" auxiliary top plate, it will handle work with a swing of up to 12½" inside the guard. On long runs or short, it will give you the high precision and fine surface finish that you'd expect only from a larger and much more costly machine.

Only the Heald Model 161 Rotary Surface Grinder offers you all these big-machine features in a small-size, low price unit: manual or power reciprocation — dry or wet grinding — simple operation — precision chuck swivel for flat, convex or concave grinding — powerful direct-drive wheelhead — vertical column construction — precision calibrated feed control — and anti-friction table with hardened steel box-type ways riding on hardened steel rollers.

Completely modern in every detail, this machine offers a low-cost solution to your rotary grinder obsolescence problems, or to the equally serious problem of tieing up a bigger machine on work than can be handled more easily and economically on the 161. Ask your Heald engineer for complete information, or send for Bulletin No. 2-161-1.

THE HEALD MACHINE COMPANY

Subsidiary of The Cincinnati Milling Machine Co.

Worcester 6, Massachusetts

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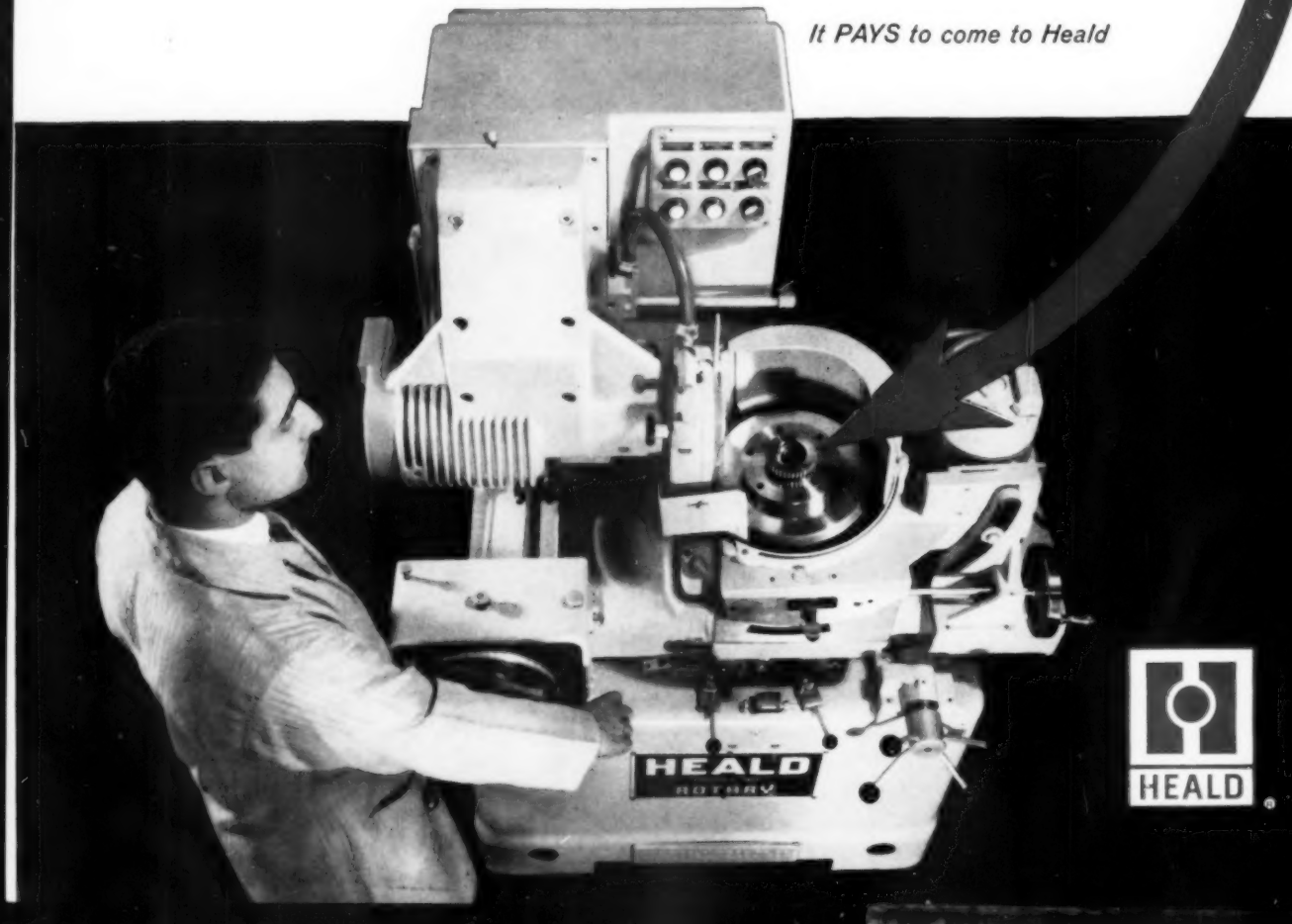
It PAYS to come to Heald



(Advertisement)

KNOW YOUR ALLOY STEELS . . .

This is one of a series of advertisements dealing with basic facts about alloy steels. Though much of the information is elementary, we believe it will be of interest to many in this field, including men of broad experience who may find it useful to review fundamentals from time to time.

Quenching and Tempering Alloy Steels

Of the various methods of heat-treating alloy steels, one of considerable importance is that involving quenching and tempering. This method, which enhances the mechanical properties of the end product, differs materially from normalizing and annealing (previously discussed in this series).

The purpose of quenching is to effect a cooling rate sufficient to develop the desired hardness and structure.

Before quenching takes place, steel is heated to a point above the transformation range. Quenching is the subsequent immersion of this heated steel in a circulated or agitated bath of oil, water, brine, or caustic; or, in the case of austempering or martempering, generally in agitated molten salt baths at a prescribed temperature. Austempering and martempering are preferable where a minimum of distortion is desired.

Quenching *increases* the tensile strength, yield point, and hardness of alloy steels. It *decreases* ductility —that is, elongation and reduction of area. It also decreases resistance to impact. However, by means of tempering, it is possible to restore some of the ductility and impact-resistance—but only at a sacrifice of tensile strength, yield point, and hardness.

The results of mild oil- or water-quenching as related to mass effect can be found in the end-quench hardenability test. Voluminous data concerning this test are issued by AISI and SAE in the form of hardenability bands for the various grades of alloy steels.

If thermal cracking is to be avoided, cooling by liquid quenching should not be carried to a point below 150 deg F. When a temperature of 150 deg F is approached, immediate tempering should follow. Because of residual stresses, no steel should be used in the as-quenched condition.

Tempering can be defined as reheating to a specified temperature below the lower critical range, followed by air cooling. It can be done in furnaces, oil, or salt baths, the temperatures varying from 300 to 1200 deg F. With most grades of alloy steel, it is best to avoid temperatures between 500 and 700 deg because of the "blue brittleness" that occurs in this range. Maximum hardness and wear-resistance result from tempering at low temperatures; maximum toughness is achieved by tempering at the higher levels. Of course, one of the essential reasons for tempering is to relieve the residual stresses set up in quenching.

Bethlehem metallurgists have devoted years of study to all phases of heat-treating. By all means call them if they can be of service to you. And please remember, when you are next in the market for alloy steels, that Bethlehem makes all AISI standard grades, as well as special-analysis steels and the full range of carbon grades.

BETHLEHEM STEEL COMPANY
BETHLEHEM, PA.

Export Distributor:
Bethlehem Steel Export Corporation

BETHLEHEM STEEL

BETHLEHEM STEEL

← Circle 101 on Inquiry Card for more data

Circle 104 on Inquiry Card for more data

How B&W JOB-MATCHED LECTROSONIC* J.I.C. TUBES solve hydraulic fluid line problems

New J.I.C. Standards approve welded carbon steel tubing for hydraulic fluid lines—and B&W makes such tubing—

Five quality control checks—including 100% ultrasonic inspection — help assure you maximum dependability from B&W Job-Matched Lectrosonic J.I.C. Hydraulic Fluid Line Tubing. You get:

- . . . a full range of sizes and dimensional exactness and uniformity — matched to your job in every detail
- . . . controlled mechanical properties — to give ease of fabrication and save you installation time
- . . . long, trouble-free service life — even in the most exacting applications

B&W will be glad to help you select exactly the right tube for efficient, economical service. Call your local B&W District Sales Specialist, or write for Bulletin 435 for full information. The Babcock & Wilcox Company, Tubular Products Division, Beaver Falls, Pennsylvania.

***Welded Carbon Steel Tubing**

B&W

THE BABCOCK & WILCOX COMPANY

TUBULAR PRODUCTS DIVISION

TA-9039-WM3

Seamless and welded tubular products, solid extrusions, seamless welding fittings and forged steel flanges—in carbon, alloy and stainless steels and special metals

AUTOMOTIVE INDUSTRIES

A CHILTON MAGAZINE • PUBLISHED SEMI-MONTHLY

DECEMBER 15, 1959

Passenger Cars • Trucks • Buses • Aircraft • Tractors • Engines • Bodies • Trailers • Road Machinery • Farm Machinery • Parts and Components • Accessories • Production and Processing Equipment • Design • Production • Engineering • Management

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A Report to AI Readers . . .

THE contents of AUTOMOTIVE INDUSTRIES is substantially guided by recommendations which are received from readers. For the first time, a comprehensive report is now available which illustrates how such information is compiled and tabulated for the guidance of the Editors. This report, prepared by National Analysts, Inc., in cooperation with Chilton Research Division, consists of a 161-page study of AI subscribers for which the information was obtained on a personal interview basis. The Editors wish to thank all the subscribers who contributed their time and ideas to this research project and to assure every reader that each comment and suggestion was very carefully studied and weighed by the AI editorial staff.

SINCE many subscribers have expressed interest in the result of this research, the "box score" of the total tabulation of typical subjects is presented herewith.

AI SUBSCRIBERS were given the list of specific subjects shown below and were asked to indicate their interest level on each subject. Those reporting a high interest in a subject were asked to rate AI's editorial performance on that subject. The following are their ratings on editorial performance. NOTE: Subjects appear in alphabetical order only and should not be construed to imply order of interest.

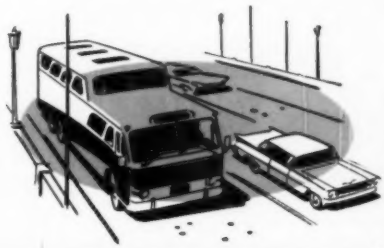
	Rated High	Rated Medium	Rated Low or No Opinion
Automation and other Materials Handling	65.2%	23.9%	10.9%
Automotive & Aircraft News from Washington	74.5	21.9	3.6
Body Engineering	66.6	26.2	7.2
Design of Chassis Components	65.5	27.9	6.6
Design of Foreign Vehicles	63.0	27.4	9.6
Design of U.S. Vehicles	74.0	18.7	7.3
Details of New Machining Techniques	65.7	25.3	9.0
General Industry News	81.8	13.4	4.8
Market Analysis & Sales Forecast	37.7	49.1	13.2
Metal Cleaning & Finishing	53.3	33.3	13.4
New Assembly Methods	69.3	28.8	1.9
New Engine Designs	82.3	14.6	3.1
New Machining Methods	75.0	17.8	7.2
New Materials	58.6	32.8	8.6
New Plant & Production Equipment	80.4	15.1	4.5
New Products	67.4	28.4	4.2
Previews of Trade Shows	63.6	31.8	4.6
Production Forecasts	59.2	29.7	11.1
Reports on Conferences & Trade Shows	80.9	14.3	4.8

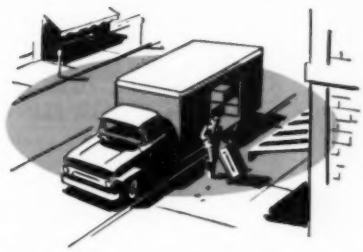
THIS tabulation is only a portion of the total study. Additional summaries of other phases of the research will be reported editorially in future editions of AI. The editors realize that ratings such as these change from time to time with the varying conditions in industry. Therefore, the suggestions of every reader are invited, concerning such preferences. For example—how would you rate these topics in your preferences now? Why not write to the editors today, providing your own rating of each topic, to give us your suggestions?

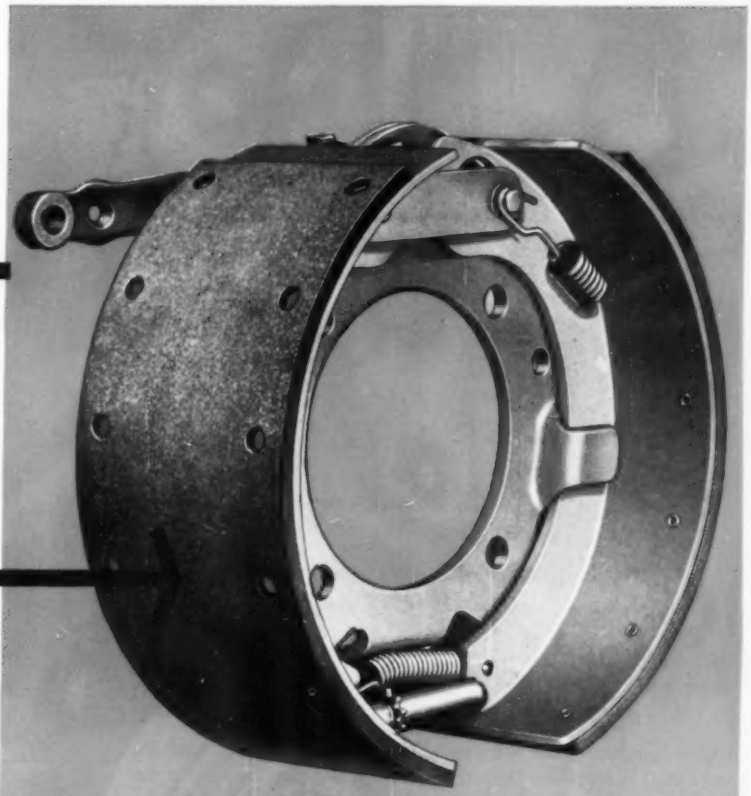
The Editors of
AUTOMOTIVE INDUSTRIES

BENDIX PROP SHAFT PARKING BRAKE

*independent holding power-*PLUS!







- **Holds on the Steepest Grades**
- **Saves Service Brakes and Drums**
- **Safety Standby in Many Emergencies**

FOR TRUCKS, BUSES AND OFF-THE-ROAD VEHICLES

Here is the most efficient parking brake ever built. With its heavy duty torque capacity, it holds on any road grade and is equally effective in both forward and reverse parking.

The Bendix* Prop Shaft Brake is truly an extra brake with fresh capacity completely independent of the service brakes. This independent brake application obviously saves wear and tear on service brake linings and drums as well as serving as a safety stand-by for many emergency situations.

Service is simplified with self-centered brake shoes, and adjustments for lining wear are readily made from the outside.

Rugged, light in weight and simple in design, the Bendix Prop Shaft Parking Brake meets the most exacting standards of the industry, and all I.C.C. and state requirements.

There's a size for every truck, including the heaviest highway rigs and off-the-road vehicles.

*REG. U.S. PAT. OFF.

Bendix PRODUCTS DIVISION South Bend, IND.

Bendix

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wheels that speak with international good taste

Working closely with the automotive industry for over fifty years, Kelsey-Hayes has pioneered many major advances in wheel and brake design. Among the most recent is the new integral cast-aluminum hub and drum, wherein the braking surface is provided by a special iron liner metallurgically bonded in place. Exposed to the air-stream, through a specially designed steel wheel, its ribbed aluminum structure affords maximum cooling for uniform, fade-free brake performance and greatly extended life. Kelsey-Hayes Company, Detroit 32, Michigan.

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Hand Tools for Industry and Home

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K H

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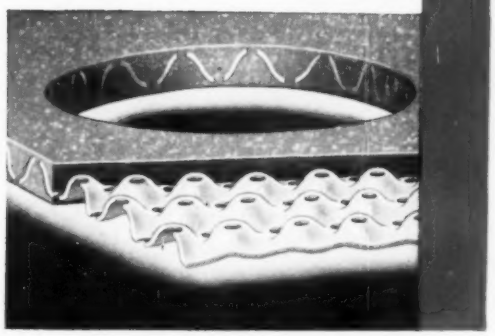
Victocor

new super-sealing gasket material



Cross section of **Victocor.** Thin steel core is die-formed with continuous projections alternating in each face. (Type 200 core has 800 projections per sq. in.) Sealing element layers, top and bottom, are bonded simultaneously with core into integral structure. Deep penetration of core projections increases stability and heat conductivity.

TYPICAL PHYSICAL PROPERTIES — TYPE 200

Thickness	.030/.035" min.
% Compressibility at 1000 psi.	*10-15
% Recovery at 1000 psi.	35 min.
% Compressibility at 5000 psi.	*16-21
% Recovery at 5000 psi.	30 min.
Service temperature	750 deg. F.
Crush resistance psi.	100,000
Corrosion resistance against aluminum, magnesium, steel and copper	Good

*Slightly higher values are obtained with heavier gauge.

. . . where you need these maximum characteristics

- low torque loss
- high heat resistance
- high crush resistance
- high dimensional stability
- thin construction— .030/.035 gauge

Victocor justifies re-examination of your most exacting sealing specifications. It's a totally new product—offers more in every desirable heavy-duty characteristic.

Victocor was developed particularly for high-flange-pressure applications. Its steel core construction accelerates heat conductivity. It is strong and highly flexible.

Resistance to hot oils, gasoline and water is excellent, and **Victocor** positively retains all commonly used coolants.

Victocor's sealing element—a special asbestos-elastomeric compound—is extremely resilient. It helps compensate for mating surface irregularities. No coating is required when installing **Victocor** gaskets, and they're easily removed for replacement.

3 Standard Types Available—Test Samples Free

Where can you seal better and more economically with **Victocor?** Let Victor engineers help you decide. It's available in three standard types and many modified combinations. Meanwhile, write for complete technical data and free test samples. Please mention proposed application. Address the factory, or contact your Victor field engineer.

Victor Mfg. & Gasket Co., P.O. Box 1333, Chicago 90, Ill.
Canadian Plant: St. Thomas, Ont.

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1909 – 1959 50th ANNIVERSARY GASKETS-OIL SEALS

GASKETS • PACKINGS • OIL SEALS • MECHANICAL SEALS

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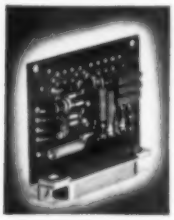
A topper in any language

It's better than the best XXXP grade, it's lighter and more economical than G-10, it's Taylor XY-1 Paper-Base Epoxy Laminate

When you want extremely high reliability in printed circuits, with the additional advantages of flame retardance, chemical resistance, good solderability and high bond strength—specify Taylor XY-1 copper-clad laminate. It is self-extinguishing in 1 second, has excellent resistance to alkalis, acids and solvents, has a solder time resistance at 500°F. of 30 seconds in 1-oz. copper and 50 seconds in 2-oz., and a bond strength of 10 lb. in 1-oz. copper and 13 lb. in 2-oz. Sheets available with copper on one or both sides.



Unclad Taylor XY-1 has many advantages, too. It can be substituted for glass-base epoxy laminates to reduce cost and weight. It has excellent electrical, mechanical and machining properties. Contact us for complete technical data and expert guidance in applying this new material. TAYLOR FIBRE CO., Norristown 49, Pa.

Taylor

LAMINATED PLASTICS VULCANIZED FIBRE

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CALENDAR

OF COMING SHOWS AND MEETINGS

SAE Annual Meeting, Sheraton-Cadillac and Statler Hotels, Detroit, Mich. .....Jan. 11-15

Society of Plastic Engineers, 16th National ANTEC Meeting, Conrad Hilton Hotel, Chicago, Ill. Jan. 12-16

AIME Annual Meeting, Statler-Hilton and McAlpin Hotels, New York, N. Y. .....Jan. 14-18

National Motor Boat Show, Coliseum, New York, N. Y. ....Jan. 15-24

Chicago Automoblie Show, International Amphitheatre, Chicago, Ill. .....Jan. 16-24

Industrial Heating Equipment Association, annual winter meeting, Warwick Hotel, Phila., Pa. Jan. 18-19

Plant Maintenance & Engineering Show, Convention Hall, Philadelphia, Pa. .....Jan. 25-28

AAMA Exposition, Navy Pier, Chicago, Ill. .....Jan. 25-28

Institute of the Aeronautical Sciences, Hotel Astor, New York, N. Y. .....Jan. 25-28

Society of Vacuum Coaters, annual meeting, Hotel Biltmore, New York, N. Y. .....Jan. 26-27

Private Truck Council of America, annual convention, Roosevelt Hotel, New York, N. Y. ...Jan. 28-29

NADA Annual Convention and Exhibition, Washington, D. C. Jan. 30-Feb. 3

ISA Instrument-Automation Conference and Exhibit, Coliseum, Houston, Tex. .....Feb. 1-5

SPI Reinforced Plastics Div. Conference, Edgewater Beach Hotel, Chicago, Ill. .....Feb. 2-4

Midwest Welding Conference, Illinois Tech Chemistry Bldg., Chicago, Ill. .....Feb. 3-4

ASIA National Convention, Carnegie Hall, New York, N. Y. Feb. 8-9

IASI International Show, The Coliseum, New York, N. Y. ....Feb. 10-13

Autorama, Hartford, Conn. ...Feb. 17-22

ASME Gas Turbine Power and Hydraulic Conference, Rice Hotel, Houston, Tex. .....March 6-9

Material Handling Institute, spring meeting, Pittsburgh-Hilton Hotel, Pittsburgh, Pa. .....March 29

American Power Conference, Hotel Sherman, Chicago, Ill. ....Mar. 29-31

Solid bronze, steel or aluminum
Steel lined with bronze, babbitt, copper or aluminum alloy
Plain or ball indented
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Many lengths and diameters

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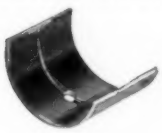
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Spacer Tubes

Bearing-Surfaced Thrust Washers

Aluminum or Babbitt Lined

FEDERAL Mogul SINCE 1899

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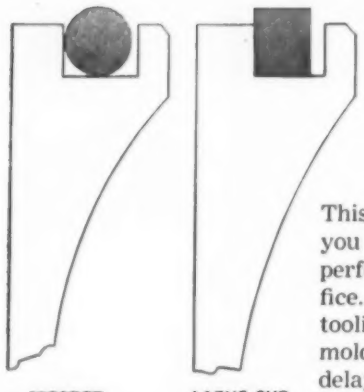
Why ACADIA LATHE-CUT SYNTHETIC RUBBER SEALS

can save you money in *STATIC* or *MOVING* seal applications



MOLDED O-RING SEAL

LATHE-CUT SEAL

This seal will save you money with no performance sacrifice. Minimum tooling cost, no molds, no costly delays. Can be made up to 25" I.D.

Acadia Synthetic Rubber Parts are of the highest quality components, processed for oil resistance, good aging properties, resistance to heat. They can be furnished in any dimension or special compound you desire to precision tolerances. They are another example of Acadia's ability to SAVE YOU MORE..SERVE YOU BETTER.

There's an Acadia Sales engineer near you to serve you. Write us today, and we'll put him in touch with you immediately.

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Branch Offices in Principal Cities

MANUFACTURERS AND CUTTERS OF WOOL FELT

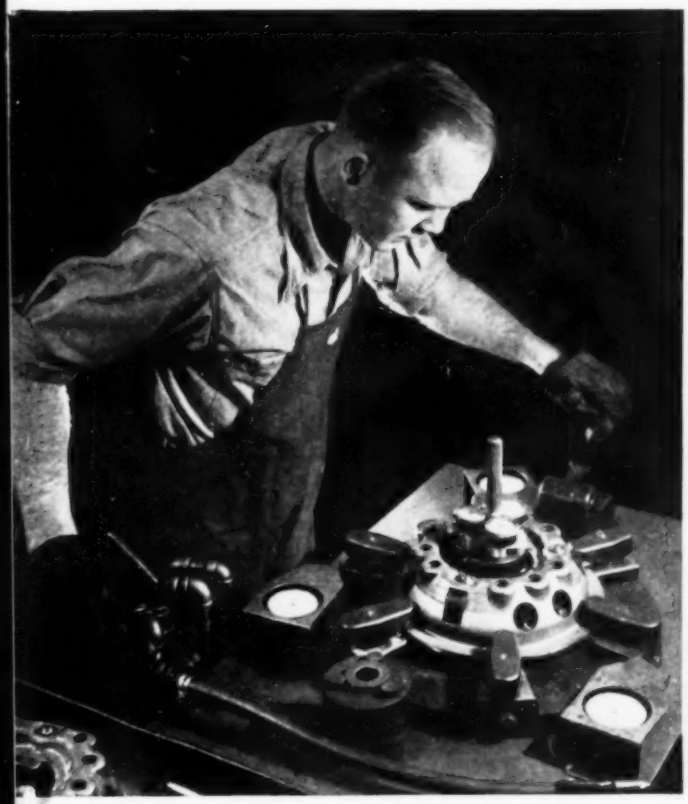
Quality Control is a BORG & BECK tradition that means

BETTER CLUTCHES

At Borg & Beck, quality control is not just a phrase to which we pay lip service. It is a tradition born of the long-standing Borg & Beck policy of building up to a standard —not down to a price.

In the photograph at the left, for example, release levers are being checked on special equipment to make sure they are parallel with the pressure plate. As shown at the right, every Borg & Beck clutch plate is carefully tested for correct deflection to assure positive release. And every driven plate and cover assembly is dynamically balanced for maximum smoothness of operation.

These exacting tests are typical of the extra care that goes into every step in the making of Borg & Beck clutches. They are your assurance of top quality, top performance, top value. And that means: BETTER CLUTCHES.



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BORG & BECK®

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Export Sales: Borg-Warner International, 36 S. Wabash, Chicago 3

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specify

A. W. DYNALLOY

A. W. DYNALLOY Steel provides higher strength per unit of weight . . . lets you cut weight in fabricated products.

Specify DYNALLOY and realize these additional advantages: weldability, easy formability and resistance to corrosion and impact. In products where high strength and low weight are desirable, DYNALLOY will provide you with a means to higher quality production . . . lower costs . . . increased profits. Call your Alan Wood Representative today! He's always available and ready to help.

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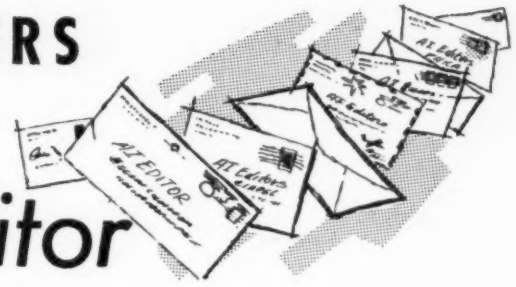
Montreal, Toronto and Vancouver, Canada—A. C. Leslie & Co., Limited

LETTERS to the Editor



Readers' opinions or requests for additional information on material appearing in the editorial pages of AUTOMOTIVE INDUSTRIES are invited for this column. No unsigned letters will be considered, but names will be withheld on request. Address *Letters to the Editor*, AUTOMOTIVE INDUSTRIES, 56th & Chestnut Sts., Philadelphia 39, Pa.

MALLEABLE IRON USAGE

I notice in your coverage of the new small cars which, by the way, was excellent, specific mention was made in all cases where aluminum was the material involved. We realize that in automotive usage this is a relatively new material and, therefore, is "news." However, we have been quite pleased with the representation malleable has earned in these new small cars. The Valiant, for instance, contains 111 pounds of the material, which is quite a bit more than Chrysler's conventional models of 1959. We like to think of it as an economical, light-weight material ideal for economy, light-weight automobiles.

Edward F. Kelly
Public Relations Director
Malleable Founders Society
Union Commerce Building
Cleveland 14, Ohio

● *AI editors are following up this interesting observation, and comments from readers will be welcomed—Ed.*

AI PLAUDIT

I think the issues of AI look in tip-top shape. The news treatment and the department headings strike me as excellent, and I have told you before what an excellent contribution I think your editorials are. I wish you continued success with the book.

Van Buren Thorne, Jr.
Assistant Director of Public Relations
General Motors Acceptance Corp.
General Motors Building
Broadway at 57th Street
New York 19, N. Y.

ENGINE SPECIFICATIONS

Your comparative Specifications for Gasoline and Diesel Engines is a very useful reference aid to our training and sales activities.

We would appreciate fifty (50) reprints of the 1959 Specifications if they are still available, or the 1960 data just as quickly as such information is available.

Our compliments to a very outstanding publication.

C. V. Roman
Marine & Industrial Engine Div.
Chrysler Corp.
12200 E. Jefferson
Detroit 31, Mich.

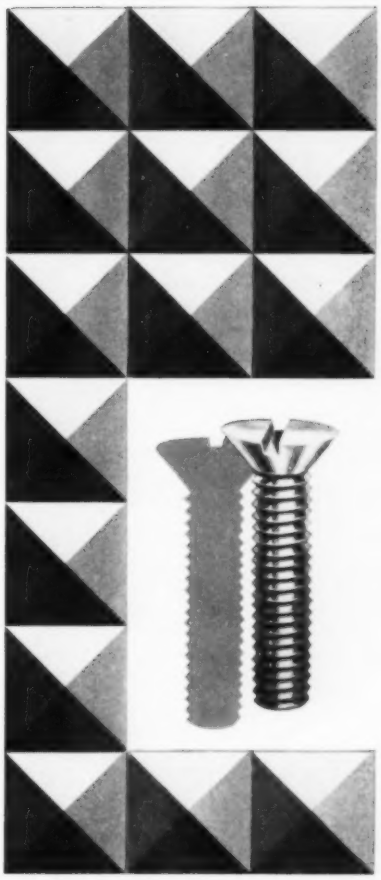
● *Thanks for your comments. Our print order for 1960 Engine Specification Sheets will be increased more than 30 per cent above 1959 in response to extremely active demand—Ed.*

ORDNANCE SHOW

I have read your article on the recent AOA show at Aberdeen, and also the article on our new GOER vehicle, and I think both of these are excellent presentations. The magazine has been routed to various people in our organization, and I am sure they will enjoy these articles as much as I did.

J. H. Hinrichs
Lieutenant General, USA
Chief of Ordnance
Department of the Army
Washington 5, D. C.

● *AI plans for 1960 include continued expansion of military vehicle engineering, production and design topics, thanks to the enthusiastic cooperation of the Ordnance Corps—Ed.*



IN FASTENERS SOUTHERN IS

DIMENSION

Southern fasteners add *dimension* to your products and profits with:

Depth in stock—the special fastener you need may be available among the 1½ billion screws kept ready for shipment at Southern.

Height in quality—select fasteners made in the United States with U. S. A. skills and materials—the world's finest.

Width in range of sizes, styles and finishes.

Time Southern is time **dimensional,** too. Your order is filled within a matter of minutes and shipped from a warehouse near you for speediest possible delivery.

Find out more about Southern's four-dimensional benefits. Write, on your company letterhead, to Southern Screw Company, P. O. Box 1360, Statesville, North Carolina.

Machine Screws & Nuts • Tapping Screws • Wood Screws • Stove Bolts • Carriage Bolts • Dowel Screws • Hanger Bolts • Drive Screws.

Manufacturing and Main Stock in Statesville, North Carolina.

Warehouses: New York - Chicago Dallas - Los Angeles

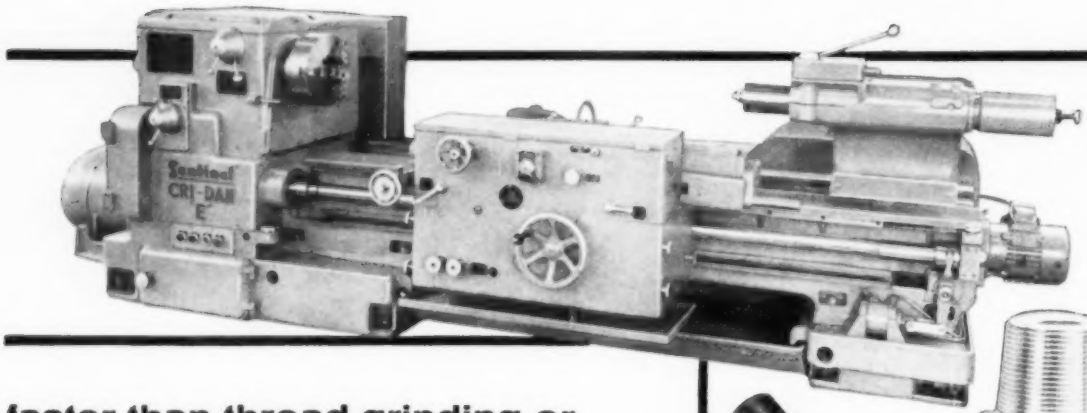
Southern SCREW COMPANY STATESVILLE • NORTH CAROLINA

Circle 114 on Inquiry Card for more data

CRI-DAN

(Semi-Automatic Single Point)

THREADING LATHES...



faster than thread grinding or milling...handles toughest jobs on hardest materials at less cost--

distributed by

GISHOLT

Widely used throughout Europe and rapidly gaining favor in the U.S.A., CRI-DAN High-Speed Threading Lathes offer outstanding advantages on a wide variety of threading work. Using single-point carbide tools and positive, cam-controlled movements, CRI-DAN provides very accurate lead and thread form on all types of internal and external threads, including multiple-start, coarse, fine, left- or right-hand, parallel or taper, with metric or inch pitches. Highest production, accuracy and fine finish are assured on even the most difficult materials.

With simple operation and 15 minute change-over, CRI-DAN is an extremely versatile machine capable of handling an amazing range of components at high production rates. Single-point carbide tools, easily resharpened or replaced, cut tooling costs to a minimum.

Two models are available with a full complement of accessories to meet your needs. Ask your Gisholt Representative for full details or write

GISHOLT MACHINE COMPANY
Madison 10, Wisconsin

Investigate Gisholt's Extended Payment and Leasing Plans

Turret Lathes • Automatic Lathes • Balancers • Superfinishers Threading Lathes

Reducing total installed costs is no heads or tails affair with the AMP electrical/electronic circuit terminating method. There's no clutter or extra material, no temperature problems, multi-step assembly or snarled-up inventory mess. The AMP method is simplicity itself—just the terminal and the tool that go together like the two sides of a coin—never one without the other.

Production rates with A-MP tools are astonishing—up to 4,000 finished wire terminations an hour, with but one A-MP automachine and one operator. As for precision, no other wire terminating method can match the assured uniformity and reliability of the A-MP terminal and tooling team—a team that turns out an endless parade of unexcelled terminations . . . all as identical as newly minted coins. There are no doubtful attachments, no hidden defects to slip by your inspection department. Speed, simplicity, uniform reliability—this means a lower installed cost per electrical circuit termination over all other methods. Nothing is left to chance with the AMP Cost Saving Method. You can bank on it.

Send for our new Cost Saving Brochure.

AMP INCORPORATED

GENERAL OFFICES: HARRISBURG, PENNSYLVANIA

A-MP products and engineering assistance are available through subsidiary companies in: Australia • Canada • England • France • Holland • Japan

RARE SAND PROVES BEARING DESIGN

in new 100,000-mile test!

The automotive shaft bearing above has just completed the equivalent of 100,000 miles of dusty backroads travel. For hours, it's been alternately spun and stopped in this special mud . . . mud composed principally of a rare type of Arizona sand, *so fine it penetrates almost anywhere water can go.*

The particles of this unique sand are so small that, mixed with water, even filtering won't remove them all. They're highly abrasive, too—so much so that bearing failure quickly occurs whenever particles penetrate into a bearing raceway. Though several score of spin-and-rest cycles in this bath are equal to 100,000 miles of heavy-duty use on the road, the BCA bearings tested on this machine consistently stand up under many more cycles, before failure from sand penetration.

This test is typical of the many being conducted in BCA's new testing laboratories for BCA customers. Here, and in the expanded research laboratories, testing of bearings to exceed customer specifications is a daily occurrence. Often test equipment is specially built to exactly duplicate equipment in the customer's plant.

BCA provides a wide range of ball bearing sizes and types for nearly every kind of industry. This, plus extensive new research, testing, and precision production facilities make BCA a dependable source of long-life bearings. For information, write Bearings Company of America, Division of Federal-Mogul-Bower Bearings, Inc., Lancaster, Pennsylvania.

BCA

BEARINGS COMPANY OF AMERICA

ball bearings

DIVISION OF FEDERAL-MOGUL-BOWER BEARINGS, INC.

Circle 117 on Inquiry Card for more data

Circle 118 on Inquiry Card for more data

wheel covers

for the most exacting stainless application on the American automobile

of **Superior**

STAINLESS STRIP STEEL

Spinning over the thousands of miles from assembly line to auto graveyard, wheel covers of Superior Stainless brightly prove their worth. Snow, mud, gravel, sand, road chemicals can't faze the stay-new look of stainless at this point of severest duty. In addition, precise care in manufacture of Superior Stainless assures the uniform, deep-drawing quality required in today's wheel cover designs. Whether your stainless requirements stress performance, appearance, or both in combination, *you'll do better with Superior*. Let us work with you!

Wheel covers illustrated manufactured by Lyon, Jnc., Detroit, Michigan.

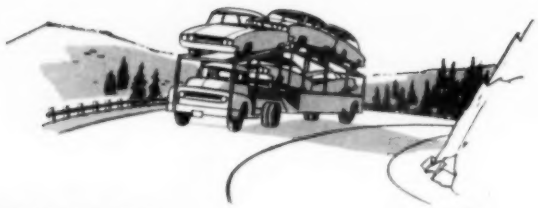
SUPERIOR STEEL DIVISION

OF

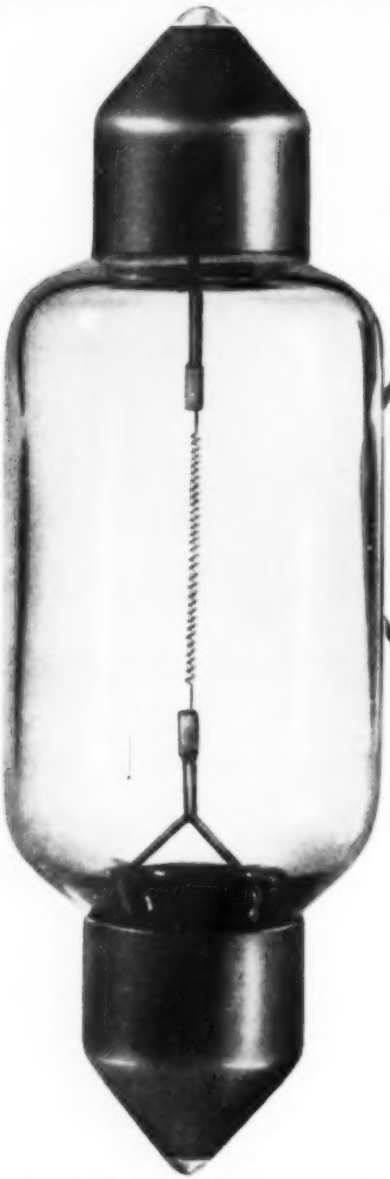
COPPERWELD STEEL COMPANY

CARNEGIE, PENNSYLVANIA

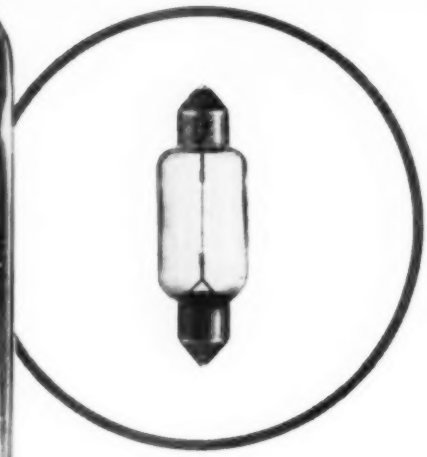
For Export: Copperweld Steel International Company, New York



New on the 60's



TUNG-SOL
CARTRIDGE LAMPS



These new miniature automotive lamps are already seeing service in leading 1960 trucks and passenger vehicles. And judging from their versatility in application, they are expected shortly to become an important staple in almost all modern car and truck design.

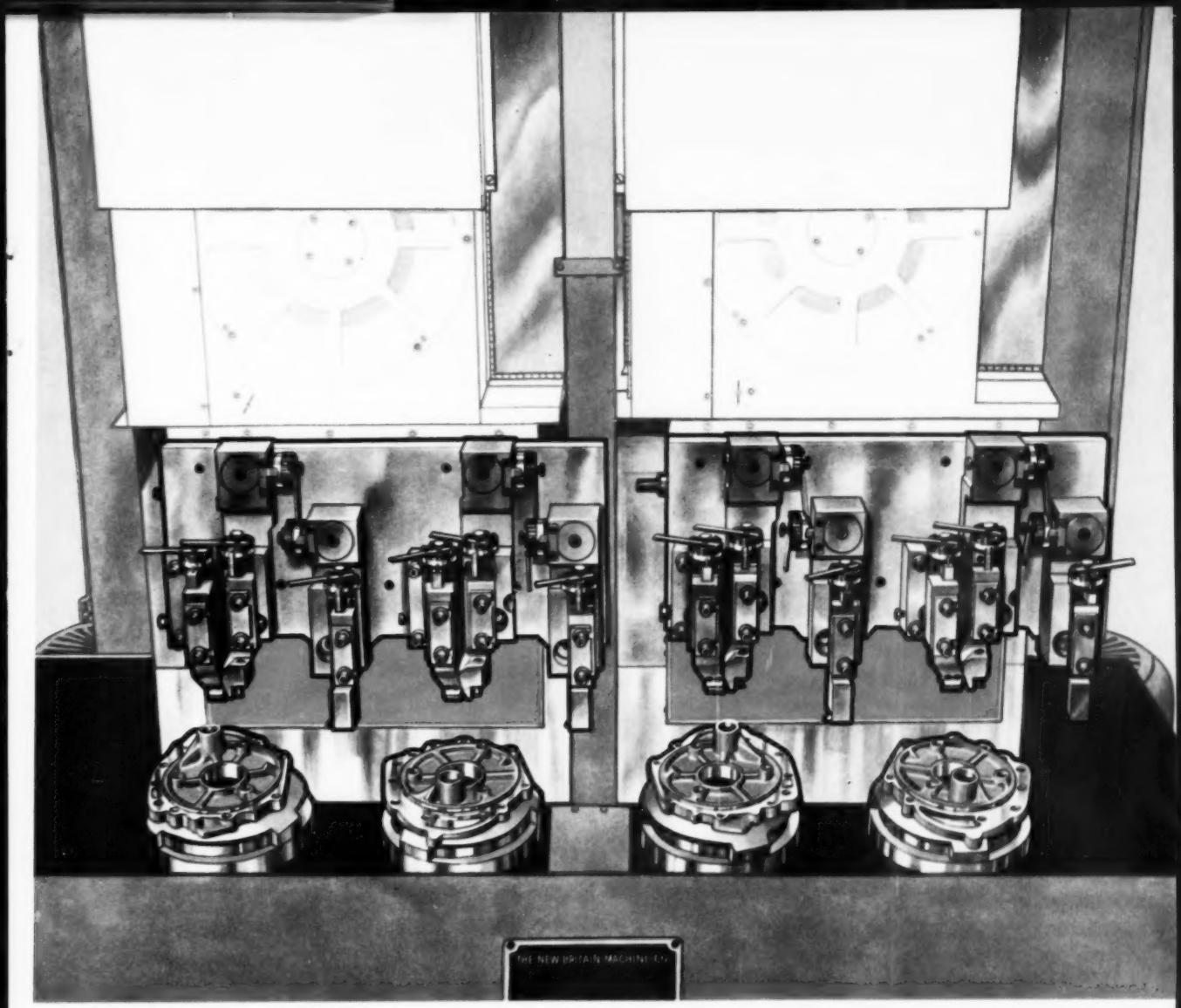
Of European origin, the cartridge lamps are being domestically manufactured solely by Tung-Sol. And it takes Tung-Sol, the foremost automotive lamp manufacturer with its consistently high production standards, to make these economical miniature lamps and meet the high-efficiency lighting demands of today's vehicles. For more information write to Tung-Sol Electric Inc., Newark 4, N. J. TWX: NK193

TUNG-SOL®

SALES OFFICES: Atlanta, Ga.; Columbus, Ohio; Culver City, Calif.; Dallas, Texas; Denver, Colo.; Detroit, Mich.; Irvington, N. J.; Melrose Park, Ill.; Newark, N. J.; Philadelphia, Pa.; Seattle, Wash. Canada: Montreal, P.Q.

Circle 119 on Inquiry Card for more data

Circle 120 on Inquiry Card for more data ——→



precision boring–*New Britain's new approach*

New Britain Cam Actuated Vertical Precision Boring Machines offer an entirely new principle for more accurate boring and turning, plus compact exterior design and fast tooling. Rough cuts and finish cuts within close tolerances on the same set-up are characteristic. Standard models are available with maximum swing from 12″ to 17¾″ in 10 or 15 horsepower.

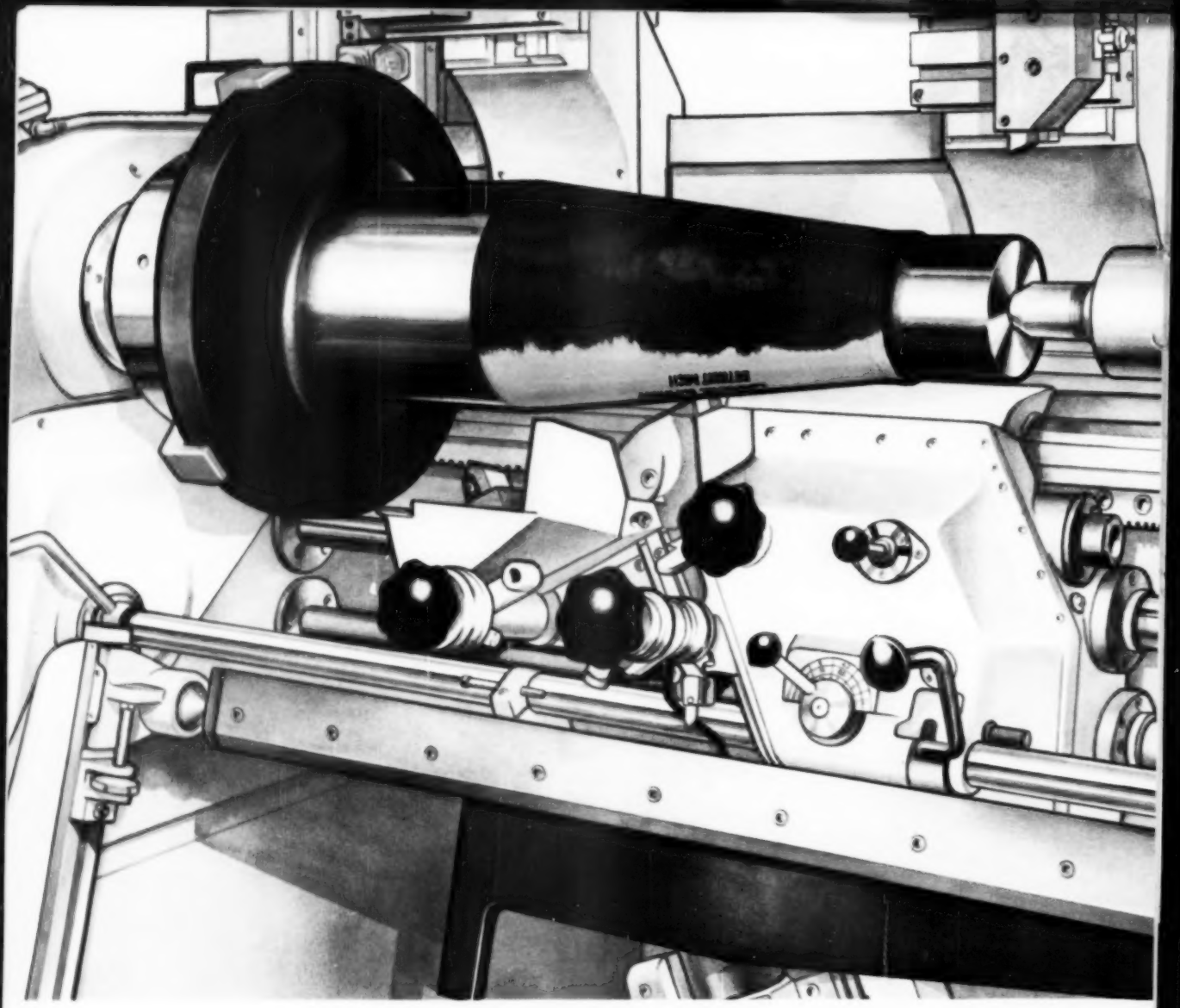
Here are a few of the major new developments incorporated in these unusual machines.

Greater accuracy. Both the vertical and cross slide cams are mounted on a common shaft which is contained inside the vertical slide. The linkages found in conventional cam-operated contouring machines are eliminated. Both the vertical and cross slides ride on preloaded roller bearings and are deflection-free.

Clean-sided design. Any number of these self-contained machines, each with one or more spindles, can be arranged side by side. Depending on how they are tooled, they operate either as a single unit or as individual machines. Parts can be inverted on adjacent machines or on adjacent spindles of the same machine, finishing both sides, completing *all* operations in one integrated, high-volume operation.

Fast tooling. Unrestricted accessibility allows rapid tool and cam changes.

Complete catalog material is available. For your copy, write New Britain-Gridley Machine Division, The New Britain Machine Company, New Britain, Connecticut.



why a **copying lathe**–*why New Britain* **+GF+**

Beyond a certain point sustained production of the same piece on an engine lathe becomes uneconomical. Sometimes, however, the feeling exists that a copying lathe lacks flexibility, power and ruggedness or that it is just too "special." A New Britain **+GF+** has power—25 to 40 h.p. The **+GF+** has rugged design to handle big work and it's really flexible—a prototype or flat template will reproduce one or more pieces with fast, single point tooling. Whether it's shaft work or chucking work you have to do, ease of set-up is the same. The template or prototype can be changed in minutes. No special tooling set-ups are required, either. You can quickly switch from intricate cuts on slender shafts to heavy cuts on big castings or forgings (like the one shown). Complex profiling presents no problems even on jobs requiring really heavy metal removal.

Fast set-up and changeover from one type of work to another is only part of the story. There's much more that you'll want to know about the New Britain **+GF+**. Watching one of these machines in action is the best way to get the whole story and we'd like to arrange a demonstration for you. If you'd like to look over catalog material, we have that too, of course. Write New Britain-Gridley Machine Division, The New Britain Machine Company, New Britain, Connecticut.

STRICKLAND equips 78 new trucks... 50 new trailers...with WAGNER AIR BRAKES!

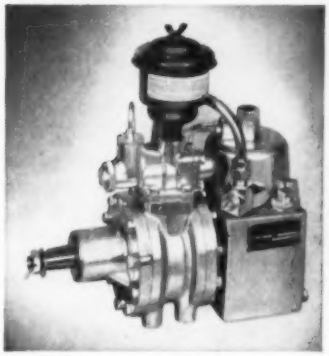
This fleet travels the equivalent of 3 times around the world every day!

Strickland Transportation Company of Dallas, with a fleet operation extending from New York City to San Antonio, knows that low maintenance for trucks and trailers means higher operating profit. Here's what L. R. Strickland, President, has to say about Wagner Air Brake Systems:

"Running an over-the-road truck fleet operation successfully depends greatly on getting the most out of the equipment you have. I specify parts and equipment on the basis of what will help lengthen the service life of these vehicles. I'm glad to tell you that when it comes to air brakes, I'll take Wagner every time. Our maintenance costs are more than satisfactory. One of the main things I like about the Wagner system is the Rotary Air Compressor. For my money it is the most efficient pump on the market."

"All-in-all, our experience and records show that Wagner Air Brakes are our best buy. I've just ordered 78 new trucks and 50 new trailers equipped with Wagner Air Brakes—what better recommendation can I give?"

Wagner Rotary Air Compressors, the only compressors that use the true rotary motion, are available in either 9 or 12 C.F.M. capacity, and in a drive-thru model for diesel-powered trucks.



Wagner Electric Corporation

6363 PLYMOUTH AVE. • ST. LOUIS 33, MO.

WK59-9

Circle 121 on Inquiry Card for more data

"Leave scratchin' an' peckin' to the chickens —

Use AIRCO EASY ARCSTARTS!"

The first time you try Airco's new EASY ARCSTART Electrodes you'll never go back to scratchin' an' peckin' with yesterday's electrodes.

Welding mild or low alloy steel, or hardfacing? Airco EASY ARCSTART Electrodes enable you to *use lower amperage for starting, if desired; strike an arc the first time; and do it easier than ever before.*

The tip coating does the trick. This is the cap at the striking end of EASY ARCSTART Electrodes – a special metallic compound that instantly initiates arc current.

Airco EASY ARCSTART Electrodes are available in diameters from 1/16" to 5/32"... for mild steel, low alloy steel and some hardfacing electrodes.

For samples, write on your letterhead... or phone your nearby Authorized Airco Dealer. He's listed in the Yellow Pages under "Welding Equipment and Supplies".

AIRCO®

AIR REDUCTION SALES COMPANY

A division of Air Reduction Company, Incorporated

150 East 42nd Street, New York 17, N.Y.

Offices and authorized dealers in most principal cities

On the west coast–
Air Reduction Pacific Company

Internationally–
Airco Company International

In Cuba–
Cuban Air Products Corporation

In Canada–
Air Reduction Canada Limited

All divisions or subsidiaries of Air Reduction Company, Inc.

Circle 122 on Inquiry Card for more data

With this one dial . . . complete programming for

Heating
Ventilating
Air Conditioning

DOLE *Vacuum Servo Systems*

Here's another example of Dole ingenuity, inventiveness, and engineering excellence. The Dole Vacuum Servo System provides the first truly modern approach to systematized comfort control in the passenger compartment.

Vacuum powered, this system provides positive programming and full scale modulation with a single, finger-tip dial and knob to give absolute control at any desired degree . . . not just on-and-off. Since connections are made by flexible tubing (no push-pull wires), accessory equipment may be placed in any position and at any distance from the control dial. Modulation power is maintained by a pressure control valve so operation is not affected by the engine's speed or load.

Dole's 30 years of engineering in the field of temperature, air and liquid control gives you a competitive advantage which can be easily translated into greater freedom in design and efficiency of performance.

In all your problem-solving, remember that Dole automotive engineers are eager to help you convert the most advanced techniques into practical, useable product improvements.

Equally important is the fact that Dole has the facilities for volume production of the most intricate mechanisms to meet the most rigid requirements for precision and accuracy. This is a rare combination . . . one that you will find useful . . . and profitable. Now, while you're still in the planning stage, call or write:

Control with

DOLE®

THE DOLE VALVE COMPANY
6201 Oakton Street, Morton Grove, Illinois
Dole Valve Co., of Canada Ltd., Box 428, Oakville, Ontario

Circle 123 on Inquiry Card for more data

Another Tinnerman Original...

Nut-in-a-cage eliminates welding or staking...

SPEED GRIPS® hold themselves on panels!

Wherever you require a heavy-duty, multi-thread, self-retaining fastener, a Tinnerman SPEED GRIP Nut Retainer answers the need, holds down assembly costs.

SPEED GRIPS snap into place... some into panel holes... others over panel edges. No special tools or skills required. Spring-steel fingers grip the panel, yet let the nut float to compensate for normal panel-hole misalignment. Welding, staking and clinching are eliminated. SPEED GRIPS can even be applied after panels have been finished, avoiding paint-clogged threads.

SPEED GRIPS are available in a wide range of sizes and types, including front-mounting nut and bolt retainers for hard-to-reach or blind locations.

See your Sweet's Product Design File, section 8-T for data on these and other SPEED NUT Brand Fasteners. Your Tinnerman representative has complete information and samples. If he isn't listed under "Fasteners" in your Yellow Pages, write to:

TINNERMAN PRODUCTS, INC.
Dept. 12 • P. O. Box 6688 • Cleveland 1, Ohio

TINNERMAN
Speed Nuts®

FASTEST THING IN FASTENINGS®

CANADA: Dominion Fasteners Ltd., Hamilton, Ontario. GREAT BRITAIN: Simmonds Aerocessories Ltd., Treforest, Wales. FRANCE: Simmonds S. A., 3 rue Salomon de Rothschild, Suresnes (Seine). GERMANY: Mecano Bundy GmbH, Heidelberg.

This stainless steel fastener protects the beauty eases the cleaning of car trim like this

MODERN AMERICANS are proud of their beautiful new cars with their gleaming paint and sparkling trim. And they want them to stay that way, to keep their "just-bought" loveliness—and to do it without a lot of hard cleaning.

That's why many leading car manufacturers select stainless steel for any trim that must come in contact with moisture, rain, road salt or corrosive gasoline fumes. And that's why too they use stainless steel fasteners to attach bumpers, sweeps and other trim. Stainless Steel fasteners are strong, long-lasting and corrosion resistant. Their polished lustre complements the shining trim; and they can be wiped clean of dirt and grime easily, without rubbing and polishing.

USS American Stainless Steel Cold Heading Wire is specially drawn and finished for use in fasteners. It is available in a great variety of grades and analyses. Discuss your fastener problem with your fastener manufacturer and let him select the right grade of USS American Stainless Steel Wire to provide your fasteners the right end-use properties. If he has any questions concerning the use, application or cold heading of USS American Stainless Steel Wire, the services of our trained American Steel & Wire Stainless Metallurgists are available. American Steel & Wire, 614 Superior Avenue, N.W., Cleveland 13, Ohio.

USS and American are registered trademarks

American Steel & Wire Division of United States Steel

Columbia-Geneva Steel Division, San Francisco, Pacific Coast Distributors
Tennessee Coal & Iron Division, Fairfield, Alabama, Southern Distributors
United States Steel Export Company, Distributors Abroad

USS Stainless Steel Products • Wire • Rod • Strip

NEW SPICER 1550 SERIES

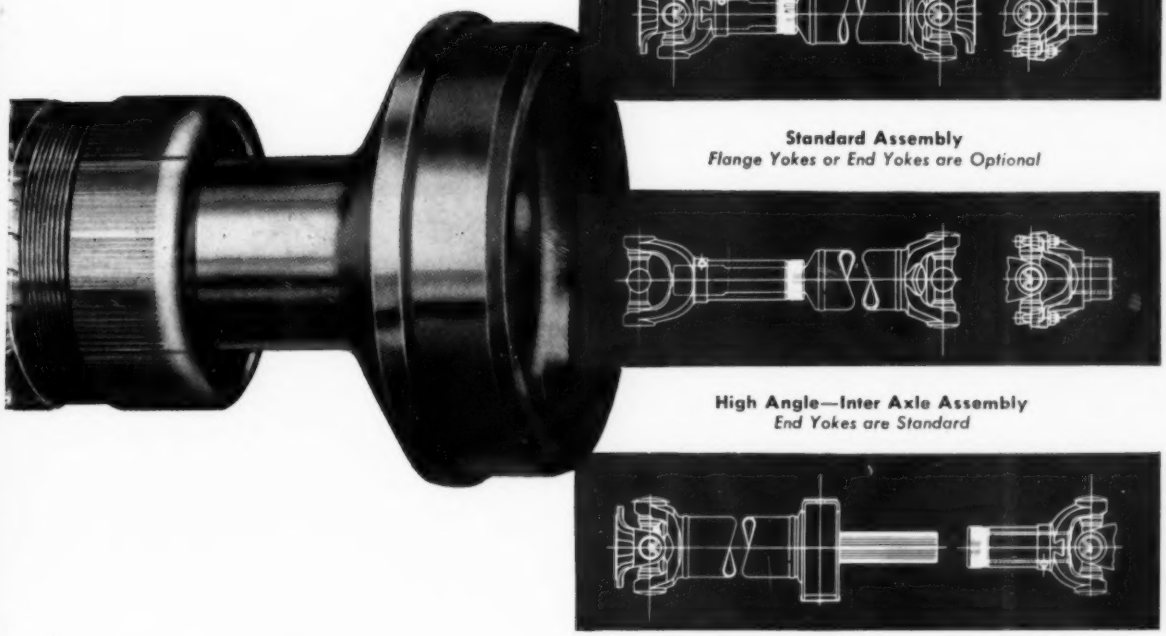
A bigger, more rugged universal joint for trucks with 29,000-30,000 GVW

Spicer is now manufacturing a completely new series of universal joint . . . the 1550 series. With 20% greater bearing factor and a minimum elastic limit 20% greater than previous 1500 series joints, the 1550 series is a bigger performance value . . . *at lower cost.*

The new 1550 series universal joints give you **these important performance advantages:**

- Reverse Spline Center Bearing construction.
- Crowned Bearing Races, for better bearing alignment, longer life.
- Shorter length flange face to flange face on short coupled sets, to take full advantage of available space.
- "U" bolt and snap ring design for reduced maintenance costs.
- Synthetic double lip type seal, for tighter, more positive sealing.
- Extremely close limits of static and dynamic balance for vibration-free operation.

UNIVERSAL JOINTS . . .



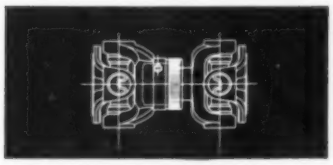
Standard Assembly
Flange Yokes or End Yokes are Optional

High Angle—Inter Axle Assembly
End Yokes are Standard

Multiple Shaft Assembly With Center Bearing

The 1550 series is now available in all present variations of the 1500 series—including short coupled, high angle and long slip propeller shafts.

For more complete details on the new 1550 series universal joints write to Dana Corporation, Toledo 1, Ohio.



Short Coupled Assembly
Flange Yokes or End Yokes are Optional

DANA Spicer

DANA CORPORATION

Toledo 1, Ohio

Serving Transportation—Transmissions • Auxiliaries • Universal Joints • Clutches • Propeller Shafts • Power Take-Offs
Torque Converters • Axles • Powr-Lok Differentials • Gear Boxes • Forgings • Stampings • Frames • Railway Drives

Many of these products are manufactured in Canada by Hayes Steel Products Limited, Merritton, Ontario

DOW | AUTOMOTIVE CHEMICALS

plastics that take a pounding

Automotive men are increasingly aware of the new scope and freedom that today's versatile new plastics give . . . in design, in finishes, in production efficiency. Recently plastics engineers have made developments in another area important to the industry. Dow has created a new family of floor surfacing materials that are a boon to the hard-pressed plant manager in his round-the-clock maintenance problem of keeping good in-plant roads for smooth traffic flow.

You may wish to check certain items in this advertisement and forward to those concerned in your own company.

ROUTE TO:

_____

_____

_____

_____

"WAFER-THIN" LATEX-MODIFIED PORTLAND CEMENT PATCHING CUTS HOURS FROM FLOOR PREPARATION TIME

Dow latex-modified portland cement patch can be as little as ½" thick.

New developments by Dow in modifying portland cement with latex have resulted in patching materials that can return a broken-up floor to service in much less time than can unmodified concrete — even when a large floor area is involved. Dow Latex greatly increases the adhesion of formulated cement, becomes part of the existing concrete—locks onto wood or metal! Therefore, floor preparation time is greatly reduced . . . there is no need to remove all the old concrete. You save time, labor, money.

If the concrete itself is sound and the surface free from loose materials and dust, a minimum of preparation suffices. Where grade does not need to be maintained, a ¼" to ½" layer of latex-modified portland cement can be applied directly over thoroughly cleaned old concrete. In cases where grade must be maintained, the savings in time, money and inconvenience in removing no more than a ½" of surface are obvious—compared to traffic-disrupting, time-consuming, jack-hammering out of all the old concrete!

A surface of portland cement modified with Dow Latex will stand up under such heavy traffic as steel-wheeled carts.

Excessive dust, cracking and pitting are minimized with Dow latex-modified cement. It shows excellent results both for resurfacing an entire floor and for localized patching.

Says one plant manager: "We tried many other types of floor treatments, but only a latex-modified cement seemed to be able to solve our problem of properly binding patched floor areas to the adjacent old cement. The elimination of recurrent pits in the floor and resultant dust is translating itself into less wear and tear on our five electric lift trucks and their operators. It's cutting maintenance and insurance costs, too."

Big cracks and deep pits. Another plant manager says: "We applied latex-modified cement right over cracks and pits in our loading area floor . . . Our concrete floor was in bad condition with big cracks and deep pits that almost stopped our tow trucks. Latex-modified portland cement solved the problem. One man did the job in one night's work. He feather-edged the latex-modified portland cement out to the rest of the old concrete."

Unmodified concrete patching would require deep jack-hammer preparation to repair this damage.

As good as new with Dow latex-modified portland cement applied *directly* over damaged area!

Where conditions are exceptionally severe, with continuous, heavy, pounding traffic, you may need the new extra heavy duty mortar made with Dow Epoxy Resins. It's the ultimate combination of strength and resilience, plus good resistance to chemical attack. For the names of suppliers of either of these new materials, please write to the address given below.

AUTOMOTIVE ENGINEERS SOLVE TOUGH AIR CONDITIONING PROBLEMS WITH STYRON 440

It's a rare and happy day for the automotive engineer when he finds a material that improves performance *and* saves money at the same time!

Air conditioning answer. Styron® 440 helps automotive engineers design better heating and air conditioning system parts. This rugged Dow thermoplastic cannot absorb or transmit water. Thus, no change of dimensions due to moisture, no deterioration. No distortion from the wide range of temperatures encountered in automobile operation, either. Parts made of Styron 440 keep their snug fit throughout their long service life.

These parts are lightweight – much lighter than materials commonly used in such automotive applications. And they require no painting for protection or appearance's sake. The color – any color—is molded into the material. This means no unsightly paint chipping wherever parts are on view in the car interior.

Takes tough treatment. Styron 440 goes to the head of the class on the automotive production line, too. Its excellent moldability and fabrication characteristics cut manufacturing costs neatly. (Very few rejects, for example . . . almost none.) It's tough enough to withstand the knocks and bruises of assembly operations. Takes staples, self-tapping screws and other joining devices without a whimper, and keeps them in place on the roughest roads.

HEARD THE WHOLE STORY? **For more information about Dow plastics for the automotive industry, write to us today. THE DOW CHEMICAL COMPANY, Midland, Michigan, Plastics Sales Department 1677T12-15.**

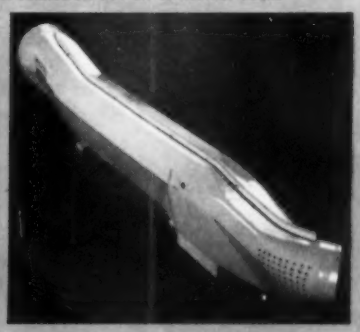
DOW PLASTICS
BASIC TO THE
AUTOMOTIVE INDUSTRY

Molding Materials • Coatings
Extrusion Materials • Sheeting
Fabric Resins

THE DOW CHEMICAL COMPANY
Midland, Michigan

DOW

Styron 440 cuts production costs in air conditioner and heater air valve housings . . . air duct connectors . . . air distributor ducts.



Circle 126 on Inquiry Card for more data

Here is how Sundstrand lathes combined with "ENGINEERED PRODUCTION" cut turning costs

There's no better way to guarantee lowest piecepart costs and highest work quality than to provide the right combination of: 1. the best tooling method and, 2. best machine solution. Applying Sundstrand "Engineered Production" to your production turning job is the surest way to satisfy both these basic needs.

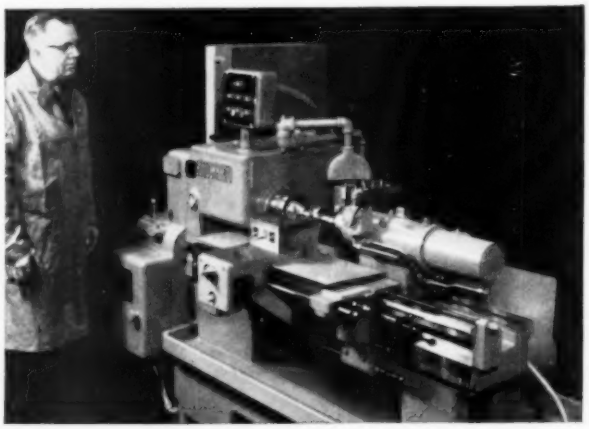
Sundstrand designs and builds a wide range of machines and backs them up with an almost unlimited variety of attachments and the tooling experience gained in numerous "Engineered Production" solutions. Your job may call for small-lot, long-run, tracer, or special turning. Whichever category it falls into, Sundstrand offers you a solution that is "just right."

You don't have to pay for more machine than you need or be satisfied with a machine that doesn't quite do the job. Special engineering costs are held to a minimum since even when semi-standard or special machines are required, Sundstrand designs make use of numerous standard elements.

Before you decide on how to handle your turning job be sure you have a Sundstrand solution to compare with present or contemplated methods. A part print or sample part, plus a statement covering your production requirements, is all it takes to get a Sundstrand "Engineered Production" analysis. You incur no obligation, so why not be sure the solution is the best available?

Small Lot Turning

Pump rotors in six different sizes are turned and faced at an average of 190 pieces per hour at 100% efficiency. Tools on the front slide turn three diameters while tools on the rear slide are arranged to straddle-face the rotor body. Change-over to accommodate the different part sizes is quick and simple.

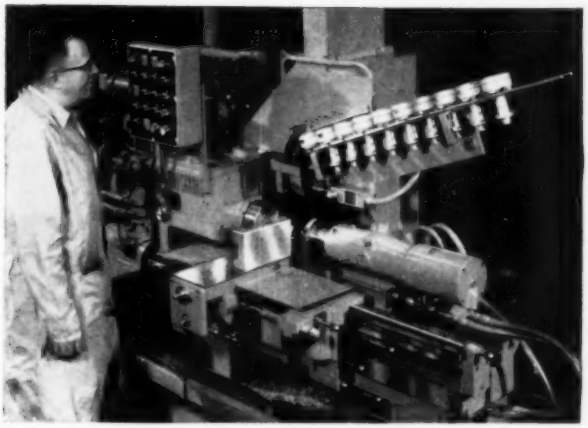


MORE DATA — *Sundstrand "Engineered Production" solution to over 20 turning problems are offered in Bulletin 210. Write for your copy today.*

"Engineered Production" Service

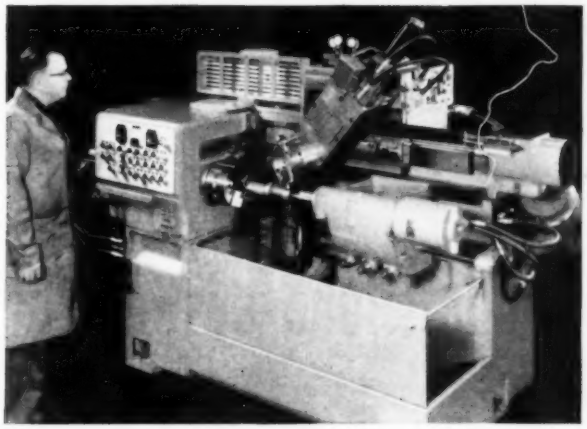
SUNDSTRAND

Long Run Turning



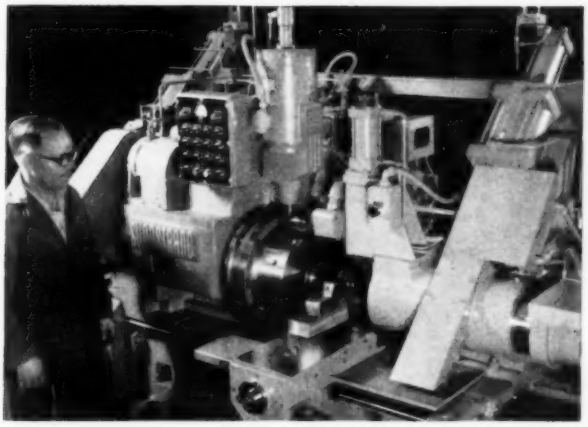
Automatic loading and ejection of work is provided on this Sundstrand automatic lathe. Production of die-cast aluminum housings is approximately 420 per hour with operations including turning the locating diameter and facing flange. This standard machine has a completely automatic cycle that includes part loading from hopper and ejection of finished workpiece.

Tracer Turning



Up to three roughing cuts and a finishing cut are handled with a single template on the Sundstrand tracer lathe. The part shown is a shaft turned from a rough forging with two setups being required to finish both ends. Dial indicators on top of the tracing carriage permit roughing cuts to be set accurately. Finishing cut is .020 inch.

Special Turning



This special lathe drills, bores, and chamfers differential carriers as well as turning each end, turning and chamfering pilot, and facing the flange on the large end. A total of 26 carbide tools are provided. Front and rear slides hold the turning tools with boring attachments through both the tailstock and spindle. Machine has automatic cycle except for manual loading and unloading of workpieces.

SUNDSTRAND MACHINE TOOL

DIVISION OF SUNDSTRAND CORPORATION

BELVIDERE, ILLINOIS

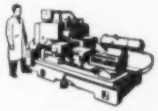
SUNDSTRAND

More facts about

SUNDSTRAND

"Engineered Production"

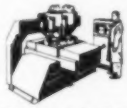
Literature listed under various machine types has more details. Write Sundstrand for your copy today.



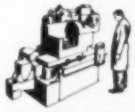
Automatic and Tracer Lathes
Bulletin A-110

Engineered Milling Production
Bulletin B-110

Examples of Transfer Machines—Bulletin C-110



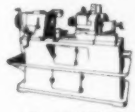
Multiple-spindle Drilling Machines—Bulletin D-110



Internal and Rotary Surface Grinders—Bulletin E-110

Broaching Tools
Bulletin F-110

Practical Broaching Methods
Bulletin F-110



Thread Milling
Bulletin G-110

Jet brake cup — LS-53
Synthetic lube diaphragm — LS-53
Diesel equipment seal — Viton
Drop-off tank seal — LS-53
Chemical pump liner — Viton
Natural gas valve diaphragm — Viton

For advanced fuel...hydraulic...lube systems,

New materials prove ideal in handling temperature extremes −350° F. to +750° F.

Working with two remarkably versatile elastomers, C/R Sirvene engineers are producing flexible molded parts for many vital fuel, lubricating, hydraulic and pneumatic systems. One, Viton-A*, can be compounded to produce parts that function dependably at 600° F., and for short periods up to 750° F. The other important feature of Viton compounds is their excellent resistance to corrosive chemicals, chlorinated solvents as well as both synthetic and petroleum base fuels and lubes. At the other extreme, C/R compounded Silastic LS-53** parts are providing low temperature operation down to -80° F. They also exhibit excellent resistance to synthetic and petroleum base fluids up to 350° F., and function well in propane up to 500° F. For temperatures as low as -350° F., C/R recommends Teflon* compounds.

C/R Sirvene engineers have an intimate knowledge of these elastomers. They also have perfected special techniques in processing which still further improve the physical properties of the molded parts. If your problem involves high or low temperatures, close tolerances, and compatibility in advanced design fuel, lubricant or hydraulic systems, get in touch with us at once. We have the skill and the facilities to help you.

* DuPont registered trademark
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C/R

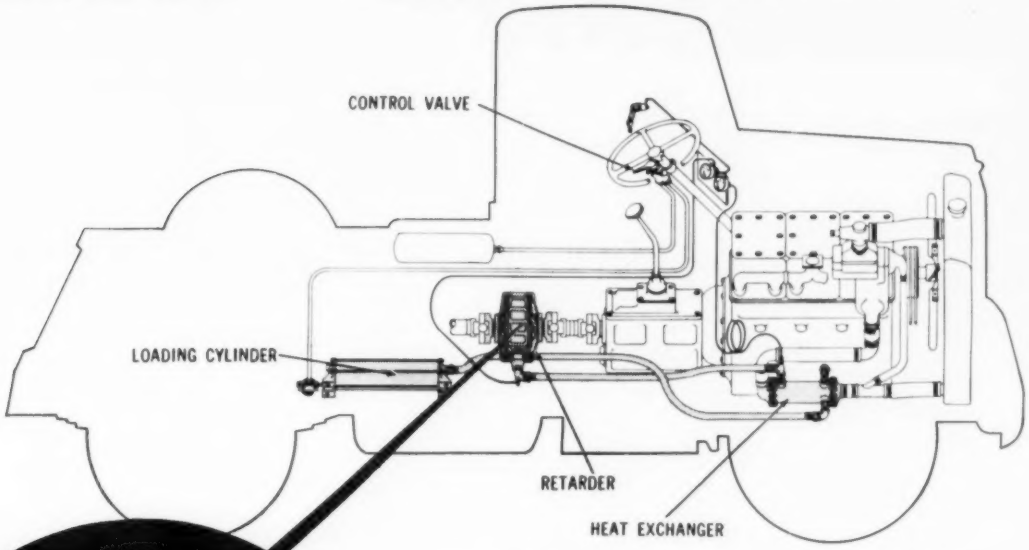
It's Dynamic...

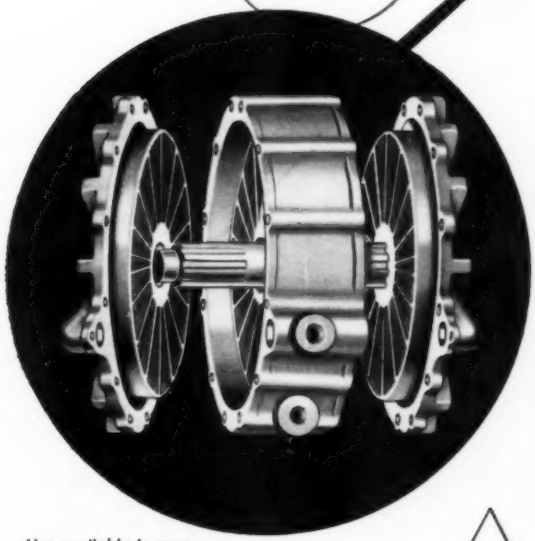
LEADING TRUCK MAKERS ADOPT THOMPSON RETARDER

New dynamic system cuts speed without use of brakes, means new safety and economy for users

Several leading truck manufacturers are offering the new lightweight, low cost Truck Retarder, developed and manufactured by Thompson's Michigan Division. This new, auxiliary system gives drivers better control of their vehicles, helps prevent "runaways". Service brakes remain cool and ready for emergency stops.

Users report major savings through substantially reduced brake maintenance costs, increased tire life, faster trips and less engine maintenance. Safety is increased, costs are reduced.





Also available in rear axle mount.

SIMPLE TO OPERATE... SIMPLE TO MAINTAIN...

To slow truck, driver moves air control valve. This connects normal air supply with loading cylinder in which fluid is stored. Air causes piston in loading cylinder to force fluid into the retarder unit. Unit is comprised basically of a rotor and stator with radial fins. Rotor is attached to the drive line. Stators which comprise the outer housings are mounted between the frame rails on a cross member. Fluid injected from loading cylinder absorbs energy through fluid friction due to the action of fluid reacting between stator and rotor. Heat is dissipated by fluid circulating through heat exchanger. *Retardation is immediate and positive.*

For complete information concerning the Thompson Retarder, write or call for illustrated brochure.

AUTOMOTIVE GROUP

THOMPSON PRODUCTS MICHIGAN DIVISION

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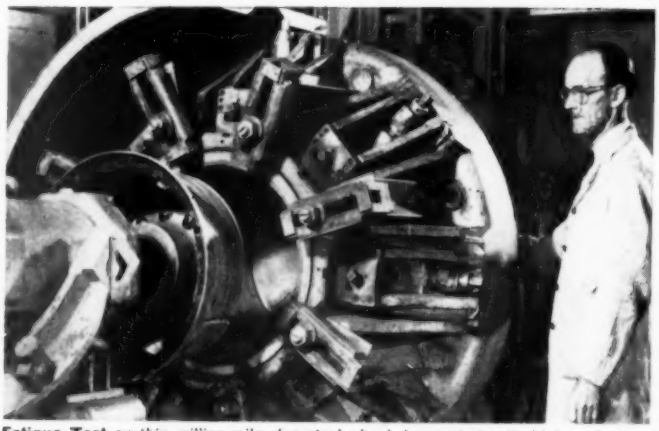
Circle 129 on Inquiry Card for more data

KROGER FLEET **rolls**

Kroger "Fleet," Vintage 1913. Fourty-six years do make a difference.

Impact Test. This wheel had traveled over 1½ million miles when it was tested for resistance to impact or shock loading.



Fatigue Test on this million-mile-plus steel wheel demonstrates its high endurance limit, soundness and freedom from imperfections.

45 million miles a year on wheels of steel

The Kroger Company operates 26 truck fleets totaling 1,008 tractors and 2,043 trailers. The trucks service about 1,400 stores in the 76-year-old retail food chain. Each truck carries 50 to 60 thousand gross pounds per haul.

During the past four years, Kroger has purchased 1,000 new trailers to keep up with the growth of their business. But, old or new, *all* Kroger trucks roll on wheels of steel. Kroger relies on steel wheels because they're stronger, they cost less and they're easy to maintain. Most important, because they're stronger, they're safer. And a steel wheel can be inspected visually—there's no danger of a sudden collapse.

You can rely on steel's strength and stability to keep your rolling stock on the move. When you buy wheels, buy steel.

USS is a registered trademark

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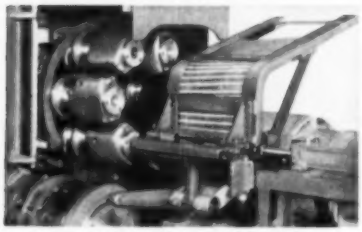
United States Steel

Second Operation

MAGAZINE LOADING



REAR LOADING MAGAZINE

HAND LOADING

A Method of Machining That Pays Off

Greenlee standard Automatic Bar Machines, adapted for second operation work, profitably machine a wide variety of parts. Long shafts or short pieces are automatically loaded into the work spindle by any of the various loading arrangements shown. Parts are loaded in one position during the machining cycle, and machined in the remaining five cross slide and end working positions. For more information, see your Greenlee Distributor.

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- Multiple-Spindle Drilling and Tapping Machines
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- Hydro-Borer Precision Boring Machines

WRITE FOR CATALOG No. A-405

GREENLEE BROS. & CO.

1744 MASON AVE.
ROCKFORD, ILL.

Circle 131 on Inquiry Card for more data

NEWS

Vol. 121, No. 12

December 15, 1959

Aluminum Engines Ready

New Engines Get Green Light as Car Makers Slate Big-Volume Output

The mass-produced aluminum engine, long a dream of the aluminum suppliers, is establishing a strong beachhead in the automobile industry.

GM's Corvair engine, first aluminum power plant to reach the volume production stage, is leading the way; other car makers are all set to follow. Some of the new aluminum engines are conventional, while others are as radical as Corvair's rear-mounted pancake engine.

Some problems still remain—notably the job of finding a wear-resistant cylinder wall — but the auto makers apparently have overcome enough of the other obstacles to warrant a go-ahead. All the aluminum engines now ready for release will employ cast iron sleeves.

New Engines Slated

At least two of the new engines are scheduled for release during 1960, with several more slated for late 1961 introduction as '62 products. Within the next two years, the automobile industry can expect:

- An aluminum V-8 for the small Buick and Oldsmobile passenger cars, and possibly for the small Pontiac.
- An aluminum six-cylinder engine for Chrysler Corp. cars.
- An aluminum in-line six for American Motors.
- An aluminum V-4 engine for Ford Motor Co.'s smaller-than-Falcon passenger car.
- An aluminum V-8 for Ford Motor Co. cars.
- An aluminum V-8 for Chrysler Corp.
- An aluminum V-8 for Chevrolet's standard automobiles.

In fact, the possibility of an industry-wide switch to aluminum within the next five years is not out of the question. J. Donald Shircliff, regional automotive sales manager for Reynolds Metals Co., said recently that Reynolds is convinced that "within three years, every major American car manufacturer will have at least one line of aluminum engines."

V-8 Will Be First

First on the scene will be the V-8 which Buick and Oldsmobile will employ in their forthcoming

FORD DIV. TO BUILD COMET

New compact Comet will be built by Ford Div. under new manufacturing setup and sold by Mercury dealers. Styling features include canted tail lights, sculptured fins, and rear glass shaped like the Thunderbird's. Comet will be powered by a bigger version of the Falcon engine (displacement: 170-cu in.) that develops 95 hp.

STREAMLINED CITROEN

Citroen 2 CV has taken on a new look. Citroen Cars Ltd, which assembles the entire line from imported components, has done away with the angular and austere sheet-metal body of the economy model. In its place is this British-built shell made of resin-bonded fiberglass, with modern lines, frameless windows, and a front-hinged section that tilts forward to give easy access to the entire engine and front-drive assembly. Mechanical components are unchanged, including the air-cooled flat-twin engine developing 12 bhp at 3500 rpm. Suspension is independent on all wheels.

compact cars. This engine, now being tooled by Buick, will have a permanent mold aluminum block, semi-permanent mold head. Intake manifold also will be aluminum. The engine (displacement between 215 and 230 cu in.) will use about 120 lb of aluminum, with a reported weight saving of about 200 lb.

Pontiac apparently is on the fence—or at least the Pontiac decision came some time after the Buick - Oldsmobile okay. Pontiac could use the Buick V-8, but the division has been leaning toward something a little smaller. Both the Corvair pancake engine, for rear mounting, and a straight four-cylinder engine, for front mounting, have been under consideration.

Chrysler Model Next

Next aluminum engine could well be the Chrysler inclined six-cylinder model brought out this fall with a cast iron block and now used on the Valiant, Dart, and Plymouth cars. Chrysler favored aluminum a year ago for the Valiant, but couldn't swing it in time.

But the Kokomo, Ind., foundry is being equipped with production dies. Chrysler had considered a running change to aluminum in the pre-steel strike days, and it still could happen. The aluminum engine might come along in the spring as an extra-cost option, or it might be held off until 1961 model time.

The inclined six already is highly aluminized in its accessories. Converting the block to aluminum would be relatively easy and would not entail any major changes in engine configuration.

The block, using No. 380 aluminum alloy, will have cast iron sleeves. This engine no doubt will be used for the new Dodge Div. "D" car when it comes out.

AMC Six Is Ready

American Motors has a new OHV in-line six (with a cast iron block) ready for introduction on its 1961 line of cars. But the company has tested aluminum versions of this engine, and reportedly is capable of moving in either direction. The engine might make its bow with a grey iron block, and follow a year later with aluminum.

Ford Motor Co. has the most off-beat aluminum engine in the works—a V-4 with a narrow vee and staggered cylinders. One version tested has a 20 deg vee, another a 60 deg vee. The latter, with bore and stroke of 3⅜ x 2½ in., has a 90-cu in. displacement but a relatively high nominal compression ratio of 8.5 to 1.

This compact little engine has been carried well beyond the experimental stage. It probably will be the engine used in Ford's Volkswagen-sized passenger car, reportedly pegged for introduction as a 1962 model.

Ford V-8 Set To Go

Ford also is about ready to go with an aluminum V-8 for standard-size passenger cars. At least three V-8's are in the works, but the one that will get the nod is said to have die cast block, head and intake manifold, with cast iron sleeves. Target date is the fall of '61 for 1962 models.

There is a strong possibility that Ford might ease into its aluminum block V-8 by converting the present intake manifold to aluminum next year.

Ford, incidentally, has set up a quarter-million-dollar specialty foundry in the Rouge area for experimental aluminum casting, furnaces, etc.

Divisions Step Up Pace

Chrysler, Chevrolet and other divisions have been stepping up the pace on their aluminum V-8 programs, and it would not be surprising to see these two spring their V-8's by '62. The current Corvette fuel injection engine has aluminum head and intake manifold, and it even employs an aluminum radiator. Next step, aided by Chevrolet's casting experiences with the Corvair engine, will be a big aluminum block.

There are other aluminum engine projects in the research and development stage, including vari-

ous free piston models and even a Scotch yoke engine with two, four or six pistons. This latter engine, incidentally, currently is pushing a test car around one of the Detroit-area proving grounds.

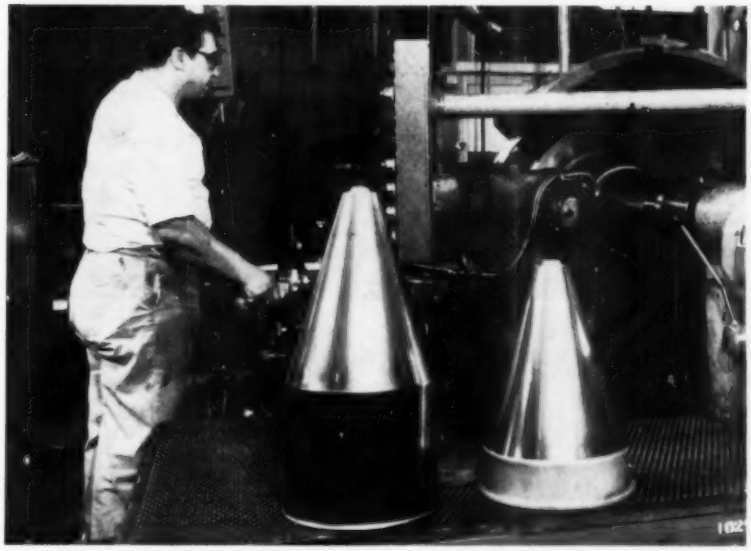
Budd to Expand

The Budd Co. is planning a major expansion at its Gary, Ind., plant to keep up with zooming production at American Motors. Budd's Gary plant supplies underbodies and other body components for Rambler cars.

American Motors is in the midst of several concurrent programs which will boost assembly capacity in its Wisconsin plants to better than 600,000 cars a year.

Budd's $5.5 million program, scheduled for completion in 1960, will include expansion of press, assembly and shipping areas, plus new welding equipment.

GIANT FLOW-TURN MACHINE



New flow-turn machine installed at Pratt & Whitney Aircraft produced this jet engine exhaust cone (left) from forging. Machine is designed to flow cylindrical shapes with diameters as big as 80 in. lengths of more than 20 ft, and wall thicknesses of as little as 0.015 in. Giant unit weighs 250,000 lb and was produced to P&W specifications by Lodge & Shipley Co.

Gordon Sees Market for 9 Million Cars, Trucks

General Motors president John F. Gordon predicts a normal domestic market for $9.2 million cars and trucks by 1969, although annual model change will be necessary to spur the demand for more vehicles.

Gordon, speaking in Indianapolis, said the market will be pushed upward by a probable 13 per cent increase per family in disposable income, more middle and upper income families and movement to the suburbs, percentage of car-owning families climbing to 80-85 per cent, and a substantial increase in multiple-car families.

But increasing competition from "an ever greater array of products and services" will make it a tough market, he said.

Annual model change, therefore, is necessary to generate new sales, spur engineers on to greater accomplishment, provide an ample used car market, and create new jobs both in and outside of the industry.

Farwest Gets Big Cut Of Ordnance Work

Nearly a half-billion dollars in new Army Ordnance work for the Farwest—that's the outlook for 1960. Bulk of the business—$400 million worth—will again go to southern California.

The half-billion dollars is on top of the Farwest's $1.8 billion backlog in ordnance contracts. This area is an important market for firms across the nation which serve the Farwest ordnance contractors with materials, equipment, and services.

The southern California share of the ordnance budget increases year by year. This year it's $376 million; last year it was $235 million.

The area is a vital missile-working center. And the Army contracts are for missile projects such as Nike Hercules, Hawk, Nike Zeus, Corporal, Sargeant, Redstone, Jupiter, and several rocket jobs.

Today's contracts cover products like these as well: bearings and brake tubes, semi-trailers, automotive shackles and springs, tank sights, encased seals.

Weston Expands

Weston Hydraulics, a Borg-Warner subsidiary, has opened a new 100,000 sq ft plant at Van Nuys, Calif., for research, development, manufacture and testing of missile components. The plant includes separate, dust-free, temperature-controlled rooms for precision manufacture and testing of products.

NEWS

CONTINUED

FARINA DISPLAYS 2 NEW BODIES

Pininfarina of Italy displayed two new body prototypes at the Turin Motor Show recently—a coupe on the Ferrari 410 Superamerica (top) and a two-door four passenger sedan on the Fiat 2100. Both bodies may be put into production next year. The Ferrari features a prominent but not very elegant square grille. The Fiat has a novel seat control mechanism: as the front seat backs are tipped forward for entry to the rear, they operate a contact and the seats slide forward on their runners.

Ford Planning Small Car With Front Wheel Drive

Front wheel drive—a pet project at Ford Motor Co. for many years —may show up on a radically new passenger car that Ford Motor Co. is considering for 1962 introduction.

The vehicle is smaller than Falcon—it weighs only 1650 lb and it will have a small aluminum V-4 engine to pull it around. With wheelbase less than 100 in., the car is aimed directly at buyers of Volkswagen and Renault Dauphine, leading imports in this country.

Front wheel drive may also show up on the 1962 Thunderbird. This project, long under study at Ford, now has moved on to the production engineering stage.

Medium Small Cars

Meanwhile, manufacturers are pushing along their plans for the "medium-small" cars slated for introduction next year.

Ford's Comet, a 114-in. wheelbase car to be sold by Mercury dealers, will appear this winter. The Buick, Oldsmobile and Pontiac compacts will be with us before the end of the current model year. And the Dodge Div. "D" car is slated for introduction as a '61 model, which could mean next fall.

B-O-P Plans

Buick and Oldsmobile are planning a four-door, six-window sedan and a four-door station wagon, each in two series. Unitized construction will be used, and power will come from a new front-mounted, aluminum block V-8.

Pontiac may offer a larger version of the Corvair, with new sheet metal and trim. But the door is still open, according to late reports, for Pontiac to join the other two in their joint project.

Dodge's "D" car will be a 112-in. wheelbase vehicle with overall length of about 195 in. It will be built on the Valiant body. The slant six engine, probably in the aluminum block version, no doubt will be the powerplant for this car.

GM Forms New Div.

General Motors Corp., in a move to expand its research activities in defense products, has formed the Defense Systems Division.

John F. Gordon, president, said the new division would not engage in production, but would coordinate the productive efforts of other GM divisions in the defense field. Harold R. Boyer was appointed division general manager and a GM vice president.

Wanted: Engineers

The automobile industry has stepped up its efforts to recruit engineering graduates, according to Asst. Prof. John G. Young, placement director for the University of Michigan College Engineering. He reports that the car industry, as well as aircraft, is recruiting much stronger than last year, despite the conflict from the steel strike.

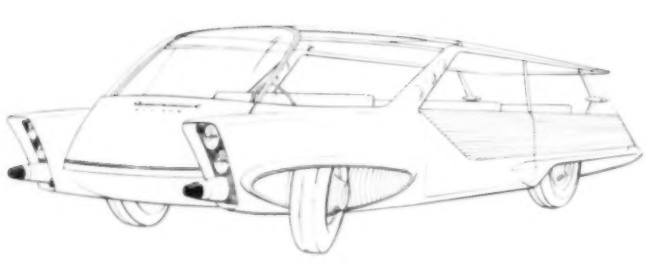
Circle 132 on Inquiry Card for more data

Will you be building this car?

...using the highest-quality aluminum

now being produced in America?

The Waimea (*Wy-*



The Waimea is a Kaiser Aluminum
design advantages of aluminum to achi
located aluminum engine, tunnel-free a
panels—*all aluminum!*

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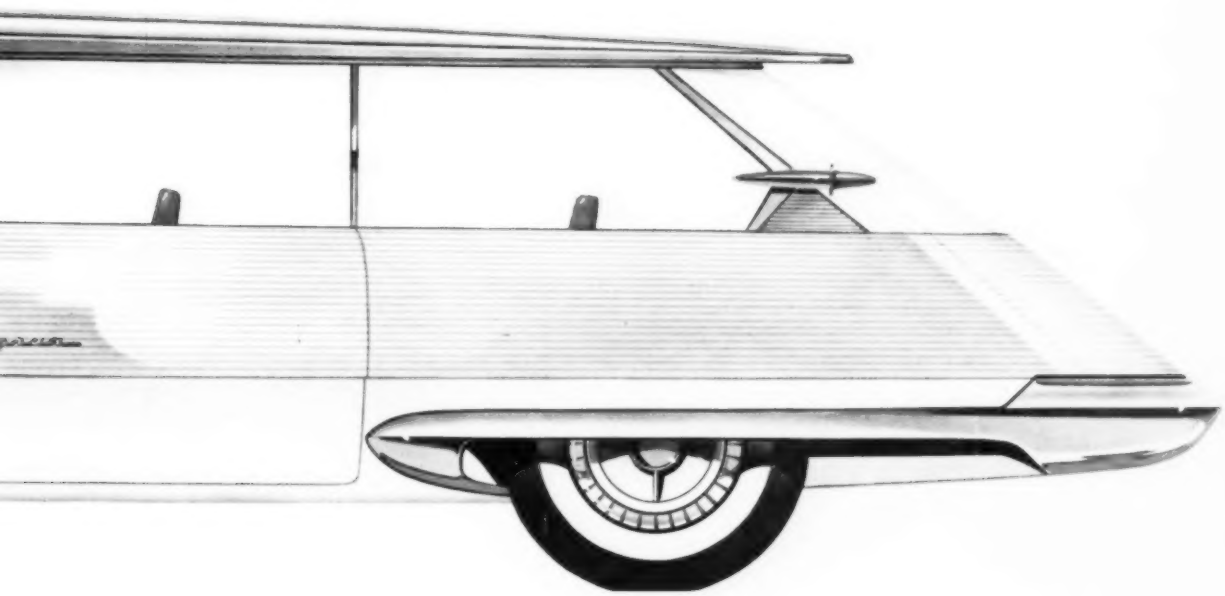
"What Is The Difference In Alum



y-may-ah) an all-aluminum car

um design that incorporates the
achieve maximum utility. Front-
ee aluminum floor, roof and body

ou will be building cars like the
in its design. Every year, more
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Ravenswood–source of highest quality aluminum

Ravenswood, West Virginia, is the location of what is perhaps the most *quality-minded* aluminum plant anywhere—the new Kaiser Aluminum reduction plant and rolling mill. Both by location and by layout, this plant is ideally situated to supply you the highest-quality aluminum available today.

Ask us, if you like, this question:

uminum From Ravenswood?" (and please turn to back page)

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A unique concept in customer service

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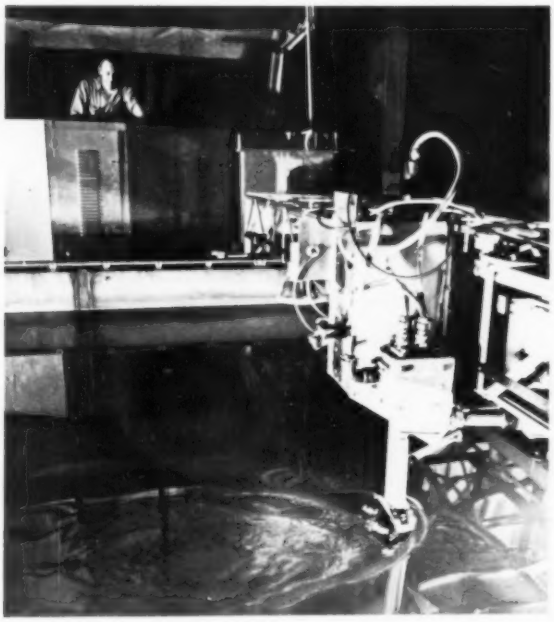
Quantometer Analysis—verifies absolute correctness of alloy composition in the molten metal prior to casting.



Ingot Sonic Testing—detects any internal irregularities in the metal, assures conformance to production standards.

Production Quality Assurance

Six quality control checks are key elements in the aluminum production process at the Ravenswood mill. Two of these quality assurance steps are shown here. Others are: vacuum freeze test, surface characteristics test, in-process fabrication check and final inspection.

These unique quality control standards are Ravenswood's way of making sure that the plant turns out exactly what the customer ordered.

Prompt Delivery

One Day Delivery, 136 miles to Cincinnati, 226 miles to Cleveland, 330 miles to Detroit! With direct access to fast truck and rail transportation, Kaiser Aluminum's Ravenswood, W. Va. plant is strategically located to give fast service to the automotive industry for products such as coiled sheet, flat sheet and blanks.

End-Use Performance Checks

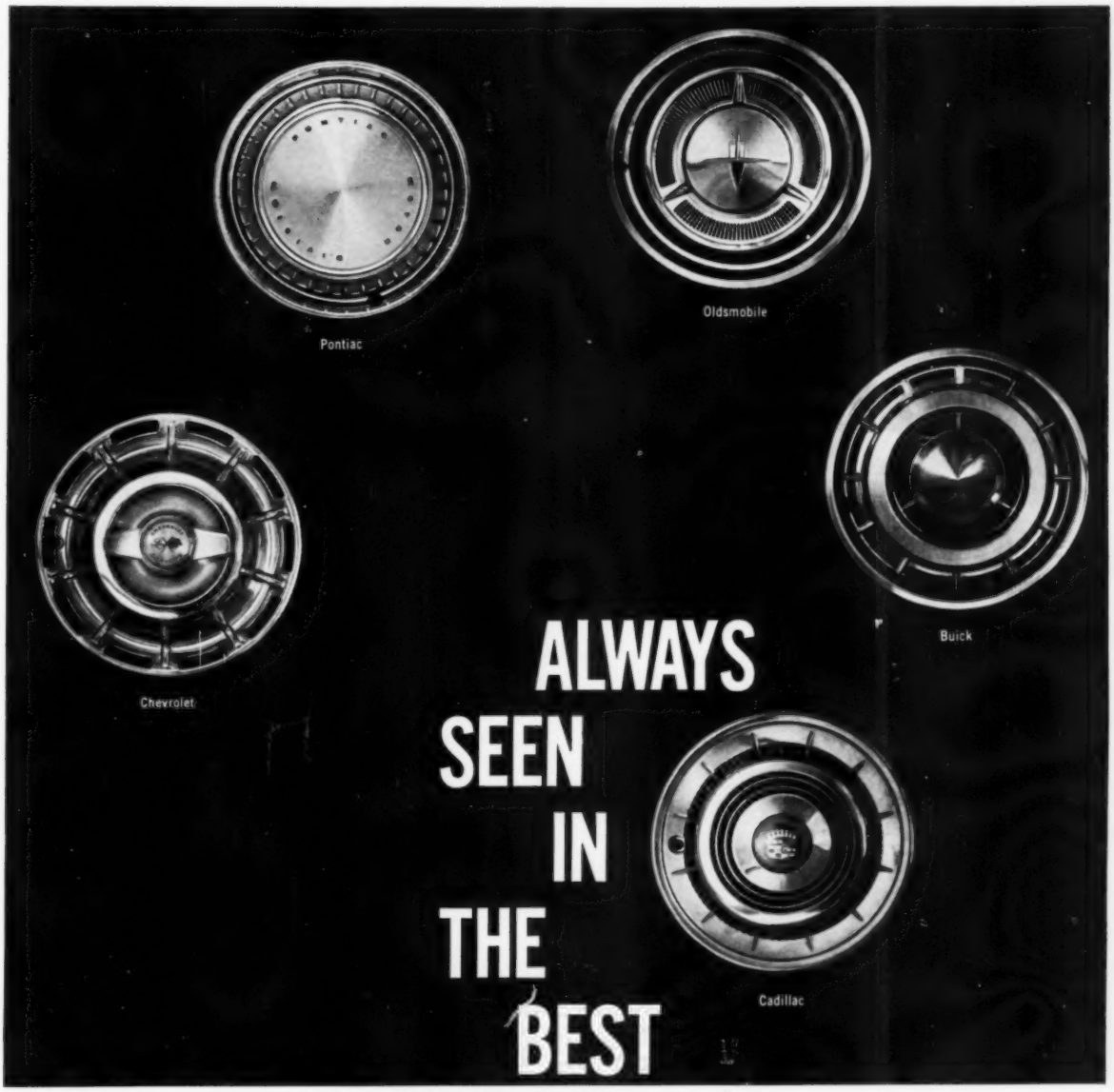
In another unique Ravenswood service, each customer's metal is checked for performance *according to the customer's own fabrication methods.* Before the metal leaves the mill, each order is tested in facilities which duplicate, on a pilot scale, the production equipment in customers' plants.

The full resources of Kaiser Aluminum's Ravenswood plant are yours to draw upon. Let us give you specific details of how Ravenswood availabilities and service can benefit *you.*

CALL

KAISER ALUMINUM

Kaiser Aluminum & Chemical Sales, Inc., Automotive Industry Division, I.B.M. Building, Detroit 2, Michigan. Phone TRinity 5-5000.



ALWAYS SEEN IN THE BEST CIRCLES

BROWN-LIPE-CHAPIN • STAMPING • ELECTROPLATING • POLISHING • PAINTING

WHEEL DISCS by Brown-Lipe-Chapin round out the beauty of today's outstanding automobiles. And your product can also benefit from this lasting sales appeal with the facilities of B-L-C. Whether it is eye-catching appeal, lustrous rugged protection or a light metal border to brighten your sales appeal, we offer you our services backed by years of experience and research. Formed metal parts . . . pressed, rolled, stretch bent or die-cast, can be polished, chrome plated, anodized or painted for you in either of our plants at Elyria, Ohio, or Syracuse, New York. Let our engineers help you right at the design stage to combine beauty and economy in brightening your product. They'll follow your job every step of the way. For prompt attention, call or write Brown-Lipe-Chapin, Syracuse, New York.

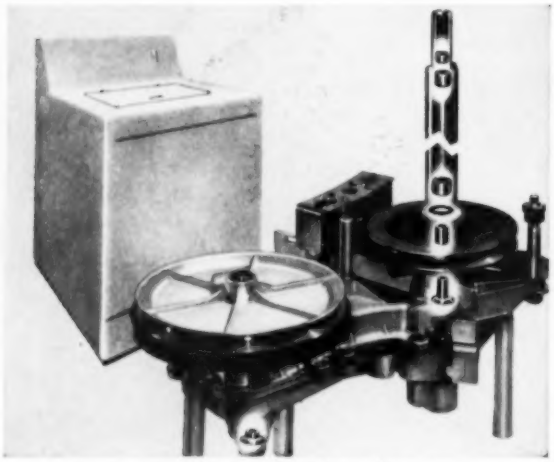
GM GENERAL MOTORS

RELIABILITY by BROWN·LIPE·CHAPIN

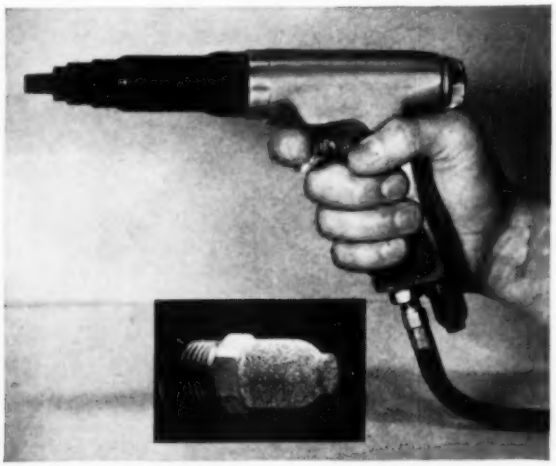
DIVISION OF GENERAL MOTORS CORPORATION

Circle 133 on Inquiry Card for more data

BOOST PRODUCT APPEAL with OILITE

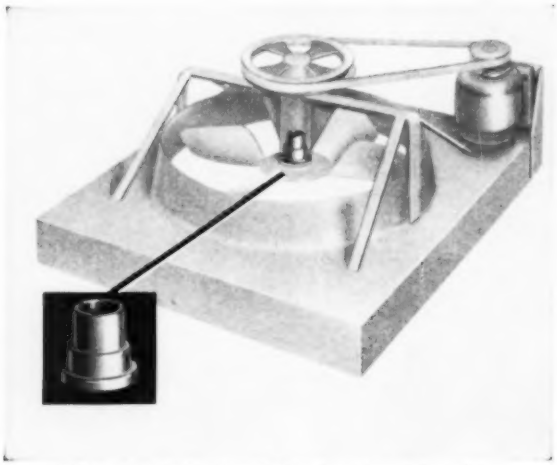


This "best seller" automatic washer is more reliable, more economical with Oilite oil-cushioned bearings.



Oilite filter-diffusers are now boosting the sale of new air tools by making them practically "noiseless".

Dust, grit, shocks — plus payloads up to 34 tons — are all in a day's work for these tough Oilite bearings.



This self-lubricating Oilite bearing refused to fail even after 125 years' service in accelerated life tests.

Quality-built OILITE®* bearings, parts and filters help sell many products by improving performance and keeping costs down. Mass-produced at Amplex's 2 modern plants, even the most intricate parts are die-pressed directly into ready-to-use, close tolerance shapes. Amplex engineering, research and production know-how can probably help you. Why not contact your Oilite representative today? Look for him in the Yellow Pages under "bearings—Oilite" or write Dept. K-12.

* *Only Chrysler Makes Oilite*

PM MEMBER SINCE 1929

A CHRYSLER OILITE PRODUCT

the most trusted name in powder metallurgy!

AMPLEX DIVISION

CHRYSLER CORPORATION, DETROIT 31, MICHIGAN

SELF-LUBRICATING BEARINGS • PRECISION PARTS • METAL FILTERS • FRICTION UNITS

Circle 134 on Inquiry Card for more data

LIPE Clutches Cut Truck Operating Costs

say increasing numbers of big users . . .

IT's what the clutch does on the road that sells the experienced truck user. His only measuring stick is overall costs. In important and increasing numbers, that measure is causing him to buy Lipe Heavy-Duty DPB's . . . both on new trucks and as replacements of original equipment.

Don't risk the owner loyalty of this big and growing body of users. Sell them what they want . . . LIPE . . . either as standard or optional equipment. Let the men who pay the bills prove to you that . . .

the trend is to LIPE.

For more ton-miles and more engagements between shop-stops, equip with Lipe Heavy-Duty DPB Clutches. Single and two-plate types; 12", 13", 14" and 15" sizes: torque capacities from 300 to 1900 ft.-lbs.

Lipe-ROLLWAY CORPORATION SYRACUSE 1, N.Y.

ANNOUNCING NEW HEAVY DUTY 6" AND 8" HICYCLE GRINDERS

Heavy Duty Hicycle Angle Grinder with rotating wheel guard.

Heavy Duty Hicycle Angle Sander with 9" pad.

Model CP-550-SG-4500 Heavy Duty Grinder maintains speed under load, lets the operator really lean into the work.

Here are two *all new* CP heavy duty Hicycle Grinders . . . brutes for power, demons for speed. Hicycle squirrel-cage induction motors running on 180 cycles, 220 volt, 3 phase current provide Built-in Overspeed Protection because maximum speed is always constant, always within safe wheel limits . . . speed sag under load is less than 15%.

New with these models is the CP *"Tri-Flo" Cooling* System that minimizes "hot spots". This highly efficient system cools motor windings, rotor shaft, main bearings, gear case and switch. Keeps the temperature rise at key points as much as 28° lower than with conventional type cooling.

You get these 7 extra advantages with CP Hicycle Grinders

1–*Hicycle Motor* of advanced squirrel-cage design means no brushes to replace, no armature to burn out. 2–*Power/Weight Ratio* is outstanding because high strength magnesium castings are used for motor, gear case and switch handle. 3–*Oil Sealed Ball Bearings* lubricated for life. 4–*Interchangeable* motors, motor housings, switch handles and switches on all straight and angle models. 5–*Heavy-duty switches* have dust tight seals and phenolic spacers for insulation from motor and to minimize vibration. 6–*Extra heavy micro-mesh gearing* heat-treated for long service. 7–*Guards* fully conforming to A. S. A. safety codes.

Write for complete information on these newest CP Hicycle Heavy Duty Grinders. Chicago Pneumatic Tool Company, 8 East 44th Street, New York 17, N. Y.

Chicago Pneumatic

ELECTRIC TOOLS • PNEUMATIC TOOLS • AIR COMPRESSORS • DIESEL ENGINES • ROCK DRILLS • HYDRAULIC TOOLS • VACUUM PUMPS • AVIATION ACCESSORIES

NEWS

FEATURES

Record Car Output Slated for 1st Quarter of '60

The automobile industry will be back in full swing by Christmas, with the last Chrysler Corp. plants picking up tempo the week of Dec. 21. And company officials are looking forward optimistically to unprecedented production, with all stops pulled, during the first quarter of 1960.

Overtime schedules and near-capacity operation are counted on to make up for the heavy loss of production during the final quarter of 1959, when steel shortages crippled most of the industry.

But there remain two clouds on the otherwise bright horizon. One is the clear possibility of further steel mill shutdowns when the Taft-Hartley injunction expires Jan. 26. Because of the current stalemate in negotiations between steel companies and the United Steel Workers, the odds favor a resumption of the strike.

The other "if" that clouds the rosy outlook is the possibility of a rail strike in early 1960. Automobile production would be affected within days after a disruption of rail service.

Production fell to just 254,000 passenger cars during November, and the December and fourth-quarter figures will further reflect the strike losses. Only the two independents, American Motors and Studebaker-Packard, showed increases over November of 1958.

General Motors was hit hardest, with production of only 11,991 cars in November.

AMC boosted Rambler output from 26,571 a year ago to 35,905. S-P increased its production from 10,280 to 11,263.

Ford output, which included 32,469 new Falcons, was below November, 1958. The company total was 132,565 last month, 158,810 a year ago. Chrysler output for the month totaled 62,748 cars, 200 below last year's strike-hampered November.

New Device Cuts Fumes From Crankcase

The automobile industry may be a step closer to pacifying Los Angeles on the long-standing controversy over exhaust fumes and smog. A new device will be offered on 1961 automobiles which will eliminate "substantial proportions" of hydrocarbon emissions.

The device merely feeds crank-

BRISTOL 406 HAS LARGER ENGINE

The Bristol 406, a four-passenger sedan built by Bristol Cars Ltd., made its bow at the Earls Court Motor Show in October. It replaces the 405 and features a bigger engine with a 135 cu in. displacement. Engine bore and stroke are 2.7 in. and 3.92 in., respectively. Compression ratio is 8.5 to 1. Maximum power developed by the six-cylinder engine is 105 bhp at 4700 rpm. Car is built on a 114-in. wheelbase, has an overall length of 198 in.

RECTIFIERS POWER MILL

New 140-in. plate mill now in operation at Lukens Steel Co. Coatesville, Pa., plant is powered by a rectifier system supplied by General Electric Co. Control panel shown here provides static switching for the mill tables. It also controls and synchronizes the speed of all roll drive motors as well as mill sideguards. Lukens officials say the new rectifier system operates at an efficiency of about 94 per cent.

case fumes back into the engine to be reburned in cylinders. The Automobile Manufacturers Association says tooling will begin immediately to install the device on new cars built for sale in California. The unit is nearly 100 per cent efficient in its job, AMA says.

The device itself is not new. Similar units have been used in the past for recapturing crankcase vapors on aircraft and other engines.

But recent research, according to AMA, has shown that crankcase fumes account for a substantial proportion of the total hydrocarbon emissions. Until now, the exhaust system was thought to be the only important source.

AMA earlier had reported successful tests with exhaust control mechanisms, priced in the neighborhood of $150, and carburetor vacuum limiters, at a cost of about $30. The new crankcase system probably will cost less than $30.

New AC Spark Plug

AC Spark Plug Div. has come up with a new "extended shell" spark plug that does away with the two key problems associated with long tip plugs, electrode burning and excessive gap growth.

The new shell design has a small collar extending from the threaded shell into the combustion chamber. This leaves the ignition point deep in the chamber for maximum performance, but it allows the electrode wire to be shortened to normal length.

AMC Ends Year With $60 Million Net Profit

American Motors ended its fiscal year Sept. 30 with a $60 million net profit, gross sales of $935.7 million, and a recommendation for a three-for-one stock split.

Earnings compared with 1958 profits of $26 million, tax free. AMC paid $45.1 million in taxes this year. Net sales of $869.8 million were 85 per cent over last year's $470.3 million.

Unit sales of Rambler and Metropolitan automobiles rose from 189,807 a year ago to 386,414 in fiscal 1959. AMC is adding to its capacity in Wisconsin, expects to be able to build an annual rate of 600,000 cars by the end of this year.

AMC stockholders will vote Feb. 3 on the proposed split. A special year-end dividend and a quarterly dividend, both 60¢, will bring the total dividend for 1959 to $2.40. But with the split, a 25¢ quarterly dividend will amount to $3 a year per share of current stock.

The stock split is seen as a stimulus to Rambler sales. By reducing the stock price one-third, AMC can broaden its shareholder base and thus create more owner interest in its product.

Austin Markets Diesel Taxicab in U.S.

A former Detroit automobile dealer has been named North American distributor for a new English Austin Diesel taxicab designed especially for American taxi operation.

Thomas T. Petzold, one-time Chrysler-Plymouth dealer, says the immediate market for Diesel cabs in this country is 15,000 units. The first Austin cabs arrived in Detroit in mid-November, and Petzold expects to begin receiving shipments Jan. 1 at the rate of 200 cabs a month. This allocation will climb to 500 a month by mid-year, he says.

Petzold tested a gasoline and a Diesel cab in the spring of 1958. Results of the test encouraged him to follow through, he says. He and George Roberts, who drove the first Checker car in Detroit in 1921 and knows cabs from an operating point of view, helped Austin build the prototype a year ago.

The Austin cabs use a 55-hp, four-cylinder Diesel engine and deliver up to 25 mpg on the cheapest Diesel fuel, says Petzold. Fuel economy, plus low maintenance costs, will cut operating cost in half over a five-year period.

The taxi has a wheelbase of 110-5/8 in. and overall length of 180 in. For passengers, the floor-to-roof measurement is 54 in. and seat-to-roof dimension is 37 in. Overall height is 68.5 in.

Moraine Changes Name

GM's Moraine Products Div. becomes Delco Moraine Div. Jan. 1. The division decided to insert the "Delco" in its name because most of its dollar business is done with products bearing that trademark. Delco Brake, an offshoot of Delco Products, was merged with Moraine in 1942.

Sound Deadeners

Five insulating materials are being used in the 1960 Buicks to reduce interior sound by 50 per cent. The sound deadeners are felt, jute, fiberglass, amberlite and a spray-on material. Buick says each insulator is designed to eliminate a specific noise, in a specific area.

How to Sell to General Motors Corporation

By Ray Vogel, Executive in Charge, Procurement and Schedules Activities

Ray Vogel

At General Motors we attach great importance to the interdependent nature of the traditionally American buyer-supplier relationship. Just as the supplier depends on the producer of end products as an outlet for his goods and services, so must the producer depend on his suppliers for parts, materials and services that he himself does not provide. Thus the producer functions as part of a team and his success is limited or enhanced by the efficiency of his suppliers.

The interdependent relationship between American businesses of all types and sizes is an outstanding characteristic of our free, competitive system and of our strong, progressive economy. It makes American industry flexible, able to take on new defense or civilian production jobs as may be required.

The place of the supplier in this relationship is vitally important. Suppliers to General Motors, for example, provide materials and services having a value of approximately 50 per cent of GM's sales. In 1958 GM paid its direct suppliers for supplies and services nearly 5 billion dollars of the 9.6 billion dollars it took in.

Small Suppliers Encouraged

General Motors has always encouraged the participation of small businesses as suppliers not only in our defense work but our civilian production as well. The majority by far of GM's direct suppliers are small businesses.

General Motors considers three essential factors in deciding upon a supplier: quality of material and workmanship; service that fits the needs of production, and the right price. We recognize the importance of each in relation to the others.

We know that the right price is not always the lowest. The right price is a balanced combination of things that are mutually satisfactory to both the supplier and GM. Outstanding quality or superior service sometimes make price a secondary consideration. But to be right in our highly competitive, cost-conscious market, the price must stand comparison with the quotations of other firms.

Vital Supply Principle

Our ability to do a good job for our customers depends importantly on the uninterrupted flow of materials and services into the production process at the right time and in the right quantity. Our suppliers recognize the importance of this principle in relation to the quantity production of commodities such as we make.

Those desiring to compete for a share of the business that General Motors places with outside sources should communicate by letter, by telephone or in person with the divisional purchasing department which has need for products or services to be offered. Prospective suppliers should determine the type of materials, equipment or services they are qualified to furnish.

It is important, as a part of the first step, to prepare information concerning the facilities available for the products or services to be offered for sale. Such information will help to assure a thorough consideration of sales presentations by the buyer.

Suppliers Sold Nearly $5 Billion to GM in '58

Suppliers to General Motors provide materials and services having a value of approximately 50 per cent of GM's sales annually. In 1958 GM paid its direct suppliers for supplies and services nearly $5 billion of the $9.6 billion it took in. The majority by far of GM's direct suppliers are small businesses.

Ford Field Office

Ford's Aeronutronic Div. has set up a field office in Huntsville, Ala., to be near the U. S. Army Ordnance Missile Command, NASA - Army Ballistic Missile Agency and other missile activities. Leland C. Pleger will manage the office.

How to Sell to Ford Motor Company

Earl G. Ward sums up Ford's purchasing policies

Selecting the proper supplier is essential to the success of the purchasing function, at Ford Motor Co., according to Earl G. Ward, vice-president, purchasing. In describing such operations, Mr. Ward pointed out that in a way, the automotive manufacturer has a problem which is similar to the suppliers' problems. To meet their objectives of fulfilling their automobile customers' requirements, Ford Motor Co. must have "the best suppliers, those who can assist us most effectively."

In a typical year, Mr. Ward continued, Ford Purchasing must find sources for approximately $3.5 billion worth of materials and services, in addition to those which are supplied through the extensive manufacturing facilities of the company. The first step for a supplier, in establishing a mutually satisfactory relationship with Ford Motor Co., is to locate the buyer who is interested in the particular product or service which is offered. The second step is for the supplier to convince the buyer that "you have the answer to his needs." The final step, it was stated, is to provide a continuing and satisfactory liaison between the members of the suppliers organization and the Ford Motor Co. organization.

10 Million Cars Seen

The Ford manufacturing program envisions more customers, more production and a greater variety of products in the future. It is estimated that by 1965, 8.5 million cars a year may be the norm. Occasional peaks may reach 9.5 or 10 million new cars a year. These are only statistical reasons why Ford Motor Co. needs the assistance of suppliers, it was reported, but more important is the fact that with suppliers assistance, the company can be sure that everyone who is interested in Ford products gets what he wants, when he wants it.

If you are now among the thousands of present Ford suppliers, you are invited to expand your business with Ford. If you are not among the roster of previous Ford suppliers, consider this an invitation to join the vast group of suppliers, according to the company.

Many people assume, it was learned, that "a company the size of ours (Ford) is only interested in doing business with large suppliers. When you stop to consider that our needs are varied and scattered geographically, you can easily recognize that both large and small suppliers can effectively meet our requirements. In brief—large, small, diversified, specialized—there seems to be only one description to fit the many thousands of current as well as prospective suppliers with whom we want to do business. We need efficient suppliers — those who can make a profit (to keep themselves competitively equipped) and at the same time help us to meet the competitive demands of our customers."

Ford Objectives

For the prospective vendor, it may be helpful to recapitulate the objectives of Ford buyers. These begin with the objective of buying quality parts, materials and supplies. Buyers also aim to assure adequate capacity and capability for the supply and delivery of material at the scheduled time. It is also their aim to obtain on all purchases, the lowest economical cost, in keeping with quality and delivery requirements, which will permit efficient suppliers to retain a fair profit.

It is the purpose of Ford buyers to establish and maintain good supplier relationships, thereby encouraging their suggestions, advice and assistance in improving both the Ford products and the supplier's own products. A fifth objective is to conduct all purchasing activities in such a manner as to build and maintain good community, public and employee relationships. Finally, the buyers aim to develop and maintain a strong, well-qualified staff of purchasing personnel and to work closely with other organizational components of the Ford Motor Co. in improving the product and lowering the costs.

There is much more to the job of selecting the proper supplier than merely sending out quotation requests and analyzing answers, attending conferences negotiated with buyers, and sending out purchase orders at Ford. Basically, the buyer must match the Ford requirements with the available and potential sources. To do this

(*Turn to page* 88, *please*)

Ford Buyers Order $3½ Billion a Year

In a typical year, Ford buyers must find sources for supplies, materials, machines, equipment and parts which total $3½ billion or more.

Ford spokesman said, "We are also interested in new processes, better methods, ingenuity and manufacturing skill which result in improved products and increased customer satisfaction. If you have any of these for sale, a buyer in some Division, Plant or Office at Ford is interested.

How to do Business with Chrysler Corporation

By
B. W. Bogan
Vice President — Chrysler Corporation

Chrysler Corp. is fully aware of the fundamental importance of capable suppliers in terms of quality of material furnished, assurance of uninterrupted supply, competitive costs, and eventual customer satisfaction. For these reasons, suppliers are selected with care. It is to the company's interest to deal with suppliers whose competence and competitiveness have been established.

New sources are continually being sought as new requirements develop and as other circumstances dictate, and our buyers are always interested in new products, processes, methods, and ideas. Potential suppliers who desire to do business with us are welcomed at all purchasing locations and are assured of hearings for their presentations.

Over 9000 Suppliers

Our requirements are furnished by over 9000 suppliers located in 41 states. Slightly more than 70 per cent of these firms are relatively small, employing fewer than 100 persons. It is not necessary to be a large supplier in order to do business with our company; the smaller, independent, specialized supplier is vital to our operations.

As a supplier of defense requirements, we also manufacture and purchase parts and assemblies required in the end product. The kinds and amounts of purchased requirements vary, of course, with the nature of the defense contract requirements. Generally, however, the requirements purchased are those parts and assemblies requiring specialized facilities and skills, including electrical and electronic equipment, instruments, plastic and rubber parts, bearings, ferrous and non-ferrous castings, standard parts, and other items. We purchase defense requirements from over 3500 suppliers, including some who also supply requirements for our civilian production.

Buying Policies Outlined

Our Purchasing Department, which is charged with the complete responsibility for procurement of commodities and services required from external sources and for the conduct of all purchasing negotiations with suppliers, is guided by the following policies: 1) to maintain relationships with suppliers based on mutual respect and confidence; 2) to buy to specified standards of quality; 3) to buy requirements at the lowest ultimate costs which will afford suppliers fair and reasonable profits; 4) to assure continuous supply; and 5) to conduct purchasing operations with due regard for community and local interests.

Companies which have not previously dealt with us should be prepared to give us the following data on their initial call: 1) company name and address, and telephone number of company office or sales representative; 2) a list of current and past products; 3) size of plant or plants and description of facilities; 4) a list of several representative current and past customers; and 5) a summary of the company's history.

When a Chrysler Corp. purchase order is accepted by a supplier, we consider the acceptance a contract, equally binding upon both buyer and seller, and its terms and conditions are not subject to change by either without the written consent of the other.

Purchase orders are validated for Chrysler by the signature of the issuing buyer. Production parts, commodities, services, and certain non-production requirements are normally purchased on blanket orders against which requirements are released according to schedules by other Chrysler activities.

9000 Suppliers Serve Chrysler Production

Chrysler manufacturing requirements are furnished by over 9000 suppliers located in 41 states. Slightly more than 70 per cent of these firms are relatively small, employing fewer than 100 persons. It is not necessary to be a large supplier in order to do business with Chrysler; and new sources are continually being sought as new requirements develop and as other circumstances dictate. Chrysler buyers are always interested in new products, processes, methods and ideas. Potential suppliers who desire to to business are welcomed at all purchasing locations.

Exclusive design of Sealed Power stainless steel oil rings ends piston groove depth variation problems

Sealed Power 3-piece stainless steel oil rings eliminate groove depth variation problems for two reasons: new end abutment design (see enlargement); and new material (stainless steel).

The cut-away view of the stainless steel oil ring in the piston groove shows how this expander rides independently of the bottom of the groove. The combination of end abutment design—and stainless steel, which has negligible tension loss at engine operating temperatures—means better oil control for the life of the ring. The chrome-plated side rails have the desired initial contact with the cylinder wall—maintain this desired contact where rings with ordinary expanders lose it because of high tension drop-off.

The properly engineered number of spring tension points and sturdy shoulders hold the side rails snugly against the cylinder wall and the sides of the groove. Result? Correct cylinder wall lubrication; no passage of oil around the back of the ring.

OTHER KEY FEATURES:

- Stops oil consumption
- Stops smoking even under high vacuum operation
- Side-sealing
- Quick seating
- Chrome-plated for long life
- Easy to install

SEALED POWER CORPORATION, MUSKEGON, MICHIGAN • ST. JOHNS, MICHIGAN • ROCHESTER, INDIANA • STRATFORD, ONTARIO
DETROIT OFFICE • 7-236 GENERAL MOTORS BUILDING • PHONE TRINITY 1-3440

Sealed Power Piston Rings

PISTONS
CYLINDER SLEEVES

Leading Manufacturer of Automotive and Industrial Piston Rings Since 1911
Largest Producers of Sealing Rings for Automatic Transmissions and Power Steering Units

MEN IN THE NEWS

Babcock & Wilcox Co.—R. A. Barr was elected vice president in charge of the Refractories Div.

Chrysler Corp.—K. S. Crawford was made manager of the Plymouth Detroit assembly plant.

Vickers Inc., Aero Hydraulic Div.—N. F. Pederson has been appointed executive engineer, major programs.

Rockwell - Standard Corp., Transmission & Axle Div.—K. M. Koch is now director of engineering.

Controls Co. of America, Appliance and Automotive Controls Div.—J. A. Kovas has been named general sales manager.

Midland-Ross Corp.—H. M. Heyn was named vice-president and head of Surface Combustion Div., and E. P. Heiles a vice-president and general manager of Surface's Toledo operation.

U. S. Steel Corp. — **H. B. Jordan** was named executive vice-president and chairman of the General Administration Committee, and **E. H. Gott** succeeds him as executive vice-president, production.

Minneapolis - Honeywell Regulator Co.—**D. K. Ridley** has been named contract sales manager for automatic control equipment for the Industrial Products Group.

Torrington Mfg. Co., Specialty Blower Div.—**A. M. Wilczenski** was made manager, technical services.

Taylor Fibre Co.—**J. A. Royal** has become manager of vulcanized fibre sales.

Midland-Ross Corp., Owosso Div.—**R. M. Giroux** was appointed midwestern regional manager.

Bendix Aviation Corp.—**H. Stolar** was appointed general manager of Marshall-Eclipse Div., and **M. J. Kennedy** general manager of Bendix Filter Div.

Dole Valve Co.—**J. K. Lund** was named vice-president of the Research and Development Div.

Industrial Enterprises, Inc., United Specialties Div.—**W. W. Lowther** was appointed director of research and **D. W. Forsyth** chief engineer.

Ransohoff Co.—**M. R. Watko** is now chief engineer.

Clinton Engines Corp.—**K. W. Mueller** was elected president.

Illinois Tool Works—**E. W. Fuller** was elected executive vice-president and **J. R. Russell** vice-president.

Diamond T Motor Truck Co.—**F. Newmarker** was promoted to director of manufacturing and production and **R. A. Decker** to director of quality control.

Mid-West Abrasive Co.—**C. D. Cole** was made regional manager of the Detroit office.

Firth Sterling, Inc., Steel Div.—**R. K. Hopkins** was appointed vice-president and general manager.

E. W. Buschman Co.—**R. B. Vogt** was elected president and **V. W. Sicking** executive vice-president.

Hughes Aircraft Co.—**I. F. Richardson** has been named manager of the Products Group.

U. S. Industries, Inc.—**T. H. Mullen** has become director of customer relations of the USI Technical Center.

Chevrolet Motor Div., General Motors Corp.—**W. G. Power** will retire as national advertising manager on Jan. 1 and be succeeded by **J. Izard.**

La Salle Steel Co.—**R. J. Burkhardt** was named assistant advertising manager.

Aluminum Co. of America—**R. G. Anderson** retired as chief test engineer and is succeeded by **John R. Long.**

Plymouth - De Soto - Valiant Div., Chrysler Corp.—**F. Stretz** was appointed sales promotion manager for De Soto.

Borg-Warner Corp., Ingersoll Products Div.—**M. R. McLary** was elected vice-president and manager, and **H. A. Schmeal** vice-president, treasurer and secretary.

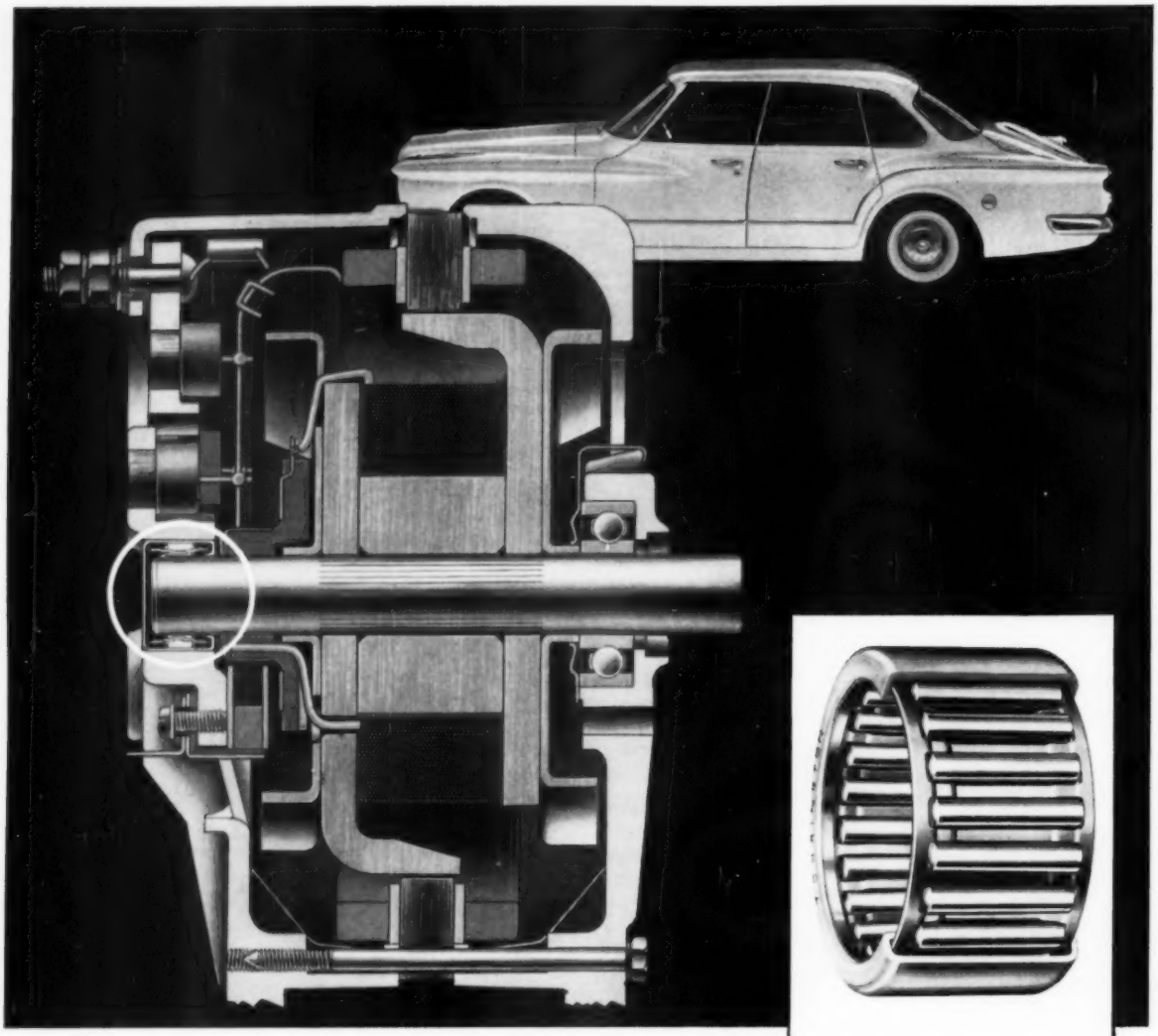
Dow Chemical Co., Midland Div.—**M. Whiting** was appointed general manager.

Necrology

R. B. Tucker, 73, former executive vice-president of Pittsburgh Plate Glass Co., died Nov. 26, at Virginia Beach, Va.

A. R. Cosgrove, 82, former assistant national truck manager for Chevrolet Motor Div., General Motors Corp., died Nov. 15, at Bradenton, Fla.

F. C. Williams, 58, a former vice-president of Studebaker-Packard, died Nov. 10.



Armature-mounted Torrington Drawn Cup Roller Bearings offer these outstanding advantages:

- Highly efficient roller guidance
- Ample provision for lubricant storage and circulation
- High capacity in small cross section
- Long pre-greased service life
- Outstanding efficiency at high speeds
- Easy mounting by press fit
- Simple housing design
- Low unit cost

Torrington Drawn Cup Roller Bearings Used in Valiant's Alternator

Compactness, efficiency, economy, reliability . . . these are outstanding features of Chrysler Corporation's exciting new small car . . . and of Torrington Drawn Cup Roller Bearings. Used by Chrysler in the Valiant's new alternator system for electrical power generation, these bearings provide smooth, trouble-free operation and long service life without need for relubrication.

Torrington Drawn Cup Roller Bearings offer performance advantages in all types of generators and appliance motors. The cost is remarkably low . . . in many cases, armature bearing costs have been lowered by as much as 50%. For advice on the application of Torrington Drawn Cup Roller Bearings to your specific problems, call or write: **The Torrington Company, Torrington, Conn.—and South Bend 21, Ind.**

TORRINGTON BEARINGS

Every Basic Type of Anti-friction Bearing

NEEDLE • SPHERICAL ROLLER • TAPERED ROLLER • CYLINDRICAL ROLLER • BALL • NEEDLE ROLLERS • THRUST

an Editorial

Strong Outlook for 1960 Seen

FIELD REPORTS FROM A WIDE RANGE of industrial sources have provided a basis for compiling an over-all view of the outlook for the Automotive Manufacturing Industries for 1960. In essence, the total outlook is for a strong advance in total production, barring currently unforeseeable set-backs in the National economy. Next year will see an estimated 7 million passenger cars sold at a wholesale value of $11.2 billion, according to these estimates. Included in this total will be about 1.5 million "compact" cars. Total registrations of cars will soar to 60.4 million units.

TRUCK AND BUS PRODUCTION FOR 1960 will total 1.2 million units with wholesale value of over $2.33 billion. Large increase in output will be noted in heavy-duty and Diesel powered trucks. Registrations will rise to 11.6 million trucks and buses.

THE SALE OF AUTOMOTIVE replacement parts and accessories is expected to reach $2.3 billion next year, exclusive of tires and tubes. Over 61 per cent of all passenger cars are now three or more years old, which places them in the vehicle class requiring replacement and repair of parts.

IN OTHER SEGMENTS of the automotive manufacturing field, production of self-propelled construction and roadbuilding equipment will total $2.4 billion for 1960. Increase in construction and roadbuilding activity has triggered a higher demand for this equipment. Output in 1960 for tractors and other powered farm equipment will total about $2.1 billion, reflecting the growing demand for more farm mechanization. For large farms, more powerful farm machinery is the trend as evidenced by the development of six-row cultivators and five-bottom plows. For small and part-time farmers lighter, more versatile equipment is needed for lower operating costs.

NEW AND EXPANDING USES for internal combustion engines will push production to about 6.8 million units next year, for a total volume of $676 million. The strong upward trends in marine engine production will continue. In the self-propelled military equipment field, the demand for combat, tactical and support vehicles continues to increase with more efficient and mobile designs replacing obsolete equipment. Estimated volume for 1960 is $373 million.

THIS DYNAMIC OUTLOOK will also include some major advances in production equipment and tooling for all types of automotive products producers. Major advances in applications of metals and alloys are already scheduled as part of further unique engine development trends. Details of these trends will be reported in individual articles in future issues. Despite set-backs of the steel strike during 1959, the best estimate available at this time is for an upward surge in 1960 in total automotive products manufacturing, which will provide a solid core for Nation-wide industrial prosperity during the coming year.

Hartley W Barclay

Editor and Publisher

WHERE EQUIPMENT FAILURE

Spells Disaster!

Rocketing down a mountain ski run is no place to snap a strap! In fact, any failure of equipment in this action-packed sport can spell disaster — just as does any failure in automotive suspension.

Like the experienced skier, the prudent designer and engineer rely on time-tested and proven equipment to avoid disastrous failures. That's why the dependability of Burton springs is so important . . . why they are so widely used.

Passing every critical test, not only on the proving ground but in actual service, Burton springs are demonstrated equal to the toughest tasks — enduring extreme conditions of high speed, rough roads and heavy loading.

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News of the MACHINERY INDUSTRIES

Discussions About Foreign Competition, Manufacturing Abroad, and 1960 Exposition, as well as Election of New Officers, were Major Events at Annual Meeting of NMTBA

By Charles A. Weinert

Machine Tool Builders Highlight Foreign Operations at Annual Meeting of Association

The problems of the machine tool industry, centered around foreign competition, were aired at the 58th Annual Meeting of the National Machine Tool Builders' Association.

American builders are following two courses, in combination, to meet the foreign threat. One move is to out-do the competition by superior technological developments. The other step is to have facilities or tie-ins abroad.

Many of the U. S. machine tool builders already have foreign manufacturing arrangements in effect. Others are looking into the situation in a determined effort to hold domestic business and expand world-wide markets. Evidence of this view was demonstrated by the attention given manufacturing abroad at various sessions of the meeting.

To set up for overseas operations is not as simple as would appear on the surface. The speakers at the conference therefore outlined their experiences along this line for the benefit of those considering foreign affiliations.

The meeting, held at The Greenbrier, White Sulphur Springs, W. Va., on November 19-21, had an attendance of more than 450. Also on the three-day program were discourses on the 1960 Machine Tool Exposition, the general economy, Russia's economic growth, and labor bosses.

ALAN C. MATTISON
President-Elect of NMTBA

President's Report

Ralph J. Kraut, 1958-59 president of the Association and president of Giddings & Lewis Machine Tool Co., set the stage in his opening address. His talk was in the nature of a report to Association members on the current situation in the industry.

He said that recovery in the American machine tool industry is "lagging behind other industries," and that in his view "we are operating at approximately 50 per cent of normal." Mr. Kraut quoted net new orders for metal-cutting machines obtained during the 12 months ending November 30, 1959 as totaling an estimated $465 million. By comparison, the total for the calendar year 1957 was $519.75 million, and for 1956 was $924 million. True, the 1959 results are much better than 1958's $281 million, but he contended that did not give a "proper perspective."

Mr. Kraut went on to reiterate that there is a direct relationship between machine tool capacity and national defense. In that connection, he advised that a factual report bearing on the subject had been submitted by the Association on August 17 to the Office of Civil and Defense Mobilization. This

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Director

report, he said, dealt with the "mushrooming of European and Russian machine tool capacity, the import and export situation, depreciation provisions, and the failure of both the Defense Department and business in general to recognize obsolescence." He emphasized that it did not ask Government "to do specific things," but merely presented the "facts as we know them."

He said the report stated that foreign competition has affected American machine tool capacity in "three major ways": Imports of low-priced foreign machines are on the increase; the U .S. builders' export market has declined; and U. S. companies are moving part of their capacity abroad—mainly because of the low foreign wage scales.

The speaker commented that about 50 American builders presently have foreign manufacturing arrangements. And that, in his opinion, these builders represent more than 75 per cent of the total machine tool capacity of the U. S.

He pointed out the danger to national defense in this trend to transfer of machine tool capacity abroad — but frankly said there seemed to be little choice in the matter from an economic necessity standpoint.

Mr. Kraut also touched on the "obsolete depreciation practices" being followed in this country as having the effect of making many of the machine tools in U. S. metalworking plants obsolete and costly to operate. And stated that "our depreciation laws and policies require revision in order to encourage modernization instead of discouraging it."

He further mentioned that the report called attention to the potential threat of Russia—which, according to a statement issued by the State Department in April, 1959, was "turning out four machine tools to our one."

These, in brief, were the major issues covered in much more detail both by Mr. Kraut in his talk and in the letter report to OCDM.

Mr. Kraut advised that a meeting with OCDM officials was held on October 29 where various aspects of the report were reviewed and discussed. At the meeting it was decided the complete text would be referred to an existing Governmental inter-agency committee for recommendations—promised to be forthcoming within the next 60 days thereafter.

Mr. Kraut then added some personal comments to the effect that he felt the American builders should "continue to work unceasingly" on five steps which he had previously outlined during his tenure as president of the Association. These steps are: (1) halt our inflation, (2) balance Governmental budgets and cut taxes, (3) change our unrealistic depreciation policies, (4) provide temporary protection for American industry against low foreign wage rates, and (5) drop our complacency and get to work.

He also declared that the basic "prescription for survival" was to "out-design our competition"—and that the 1960 Machine Tool Exposition will be "the greatest opportunity that the American machine tool industry has had for years to assert its international superiority."

Pros and Cons of Operating Abroad

The advantages and disadvantages of making manufacturing arrangements abroad, based on actual experiences, was the subject of an address by J. Delano Hitch, Jr., president of Dorr-Oliver, Inc.

This speaker prefaced his remarks by saying he was convinced that over the long-run such arrangements will benefit a company's competitive position. But they do present problems.

There are many different ways of making arrangements abroad, he stated, and the one chosen should reflect the particular needs of the company involved. However, the three principal types employed consist of (1) establishment of a manufacturing facility, (2) establishment of a subsidiary company or branch employing local contract manufacturing, and (3) licensing.

The advantages of manufacturing abroad, he said, include: Improvement in marketing position in that particular country. Lower production cost because of product labor content. Better sales and service facilities for the customer. Overcomes tariff and quota systems. Gets around currency shortage. Sometimes improves marketing position in selling to other countries. Lower prices. Credit insurance through local government's help. Certain equipment can be tailored to local needs. Ideas will flow back to parent company and react to the overall betterment of the company's operations.

Some of the disadvantages are: It does take capital, especially if a facility is established. Building costs are not too different than here, although municipality ownership of real estate can sometimes be arranged. Domestic staff costs are increased. When going into a foreign territory the payoff can be slow and the risks greater.

Questions also rise and should be considered, he said, on such items as: Are designs of products protected in foreign areas? Any special skills or knowledge required for the market? Are sales and technical services available? Can you find suitable sources for materials and components? What is customer acceptance of origin country? How do you get money out of the country? How does it affect the tax situation here? Should you make use of a "haven" company so you could take and use money in another country? If your company is a public one, certain methods of accounting are required by SEC—and a common accounting system usually must be set up.

The speaker recommended the services of local legal counsel in foreign countries as being quite an important consideration.

Summed up, he said manufacturing abroad presents many, many problems, old and new, but that if it is handled properly it will help maintain a company's competitive strength and position. Also, that if you have the patience

(*Turn to page* 81, *please*)

• • INDUSTRY STATISTICS • •

WEEKLY U. S. MOTOR VEHICLE PRODUCTION

As reported by the Automobile Manufacturers Association

Make	Weeks Ending Nov. 28	Weeks Ending Nov. 21	Year to Date 1959	Year to Date 1958
PASSENGER CAR PRODUCTION				
Total—American Motors Corp.	8,238	8,559	359,260	185,748
Chrysler	911	1,307	63,183	45,537
De Soto	368	472	39,214	33,972
Dodge	4,519	7,249	173,075	107,592
Imperial	.....	.....	18,792	11,651
Plymouth*	4,684	7,465	380,376	341,807
Total—Chrysler Corp.	10,482	16,493	674,640	540,559
Edsel	.....	91	29,677	18,750
Ford*	22,996	35,599	1,375,053	898,434
Lincoln	787	911	26,486	22,261
Mercury	2,163	3,577	139,794	106,324
Total—Ford Motor Co.	25,946	40,178	1,571,010	1,045,769
Buick	.....	.....	209,201	213,337
Cadillac	.....	.....	126,651	108,234
Chevrolet*	.....	.....	1,309,059	1,067,537
Oldsmobile	.....	.....	337,192	265,178
Pontiac	.....	.....	360,273	180,967
Total—General Motors Corp.	.....	.....	2,342,376	1,835,253
Total—Studebaker-Packard Corp.	2,026	3,246	139,962	43,065
Checker Cab	126	275	4,461	2,776
Total—Passenger Cars	46,818	68,751	5,091,709	3,653,170
TRUCK AND BUS PRODUCTION				
Chevrolet	.....	536	305,244	240,313
G. M. C.	175	303	71,261	54,615
Diamond T	96	63	5,061	5,280
Divco	48	80	3,444	2,674
Dodge and Fargo	.....	.....	66,406	51,580
Ford	3,452	4,583	304,567	216,291
F. W. D.	13	25	972	1,152
International	1,888	2,403	132,474	80,240
Mack	174	289	15,748	13,007
Studebaker	.....	15	11,058	9,001
White	53	425	18,047	15,689
Willys	3,331	2,839	104,784	82,837
Other Trucks	55	55	3,338	2,832
Total—Trucks	9,285	11,616	1,042,404	775,511
Buses	60	60	2,203	2,841
Total—Motor Vehicles	56,163	80,427	6,136,316	4,431,522

* Plymouth includes Valiant; Ford includes Falcon and Chevrolet includes Corvair.

1959 TRUCK TRAILER SHIPMENTS

Industry Division, Bureau of the Census

Type of Trailer	September	Nine Months 1959	Nine Months 1958
Vans			
Insulated and refrigerated	455	3,421	2,304
Steel	29	418	266
Aluminum	426	3,003	2,038
Semi-insulated	174	897	361
Steel	174	897	361
Aluminum			
Furniture	103	1,206	1,016
Steel	69	984	1,106
Aluminum	34	222	
All other closed top	2,932	21,739	10,787
Steel	706	5,938	3,530
Aluminum	2,227	15,801	7,257
Open-top	291	2,264	1,378
Steel	119	923	686
Aluminum	172	1,341	692
Total—Vans	3,955	29,527	15,846
Tanks			
Non- and low pressure			
Petroleum			
Carbon and alloy steel	151	1,761	1,506
Stainless steel	27	231	157
Aluminum	129	1,302	921
Total—Petroleum	307	3,294	2,584
Chemical, food, fluid solids	57	392	400
All other, Incl. aircraft refuelers	73	1,240	548
High Pressure (LPG, chemicals, etc.)	30	261	239
Total—Tanks	467	5,187	3,771
Pole, pipe and logging			
Single axle	38	275	215
Tandem axle	71	857	397
Total	109	1,132	612
Platforms			
Racks, livestock and stake	68	410	1,126
Grain bodies, all types	161	1,335	656
Platforms (flats), all types	745	7,865	3,957
Total—Platform	974	9,610	5,739
Low-bed heavy haulers	189	1,952	1,573
Dump trailers	163	1,878	1,677
All other trailers	314	2,305	1,141
Total—Complete Trailers	6,171	51,591	30,359
Trailer chassis[1]	298	3,063	2,198
Total—Trailers and Chassis	6,469	54,654	32,557

[1] Sold separately.

NEW PASSENGER CAR REGISTRATIONS BY REGIONS

Zone	Region	September 1959	August 1959	September 1958	Nine Months 1959	Nine Months 1958	Per Cent Change Sept. over August	Sept. over Sept. 1958	Nine Months 1959 over 1958
1	New England	26,118	26,536	20,278	245,429	196,167	— 1.58	+28.78	+25.11
2	Middle Atlantic	76,385	91,247	58,462	819,253	676,934	—16.29	+30.66	+21.02
3	South Atlantic	61,889	69,668	45,828	612,320	449,606	—11.17	+35.05	+36.19
4	East North Central	110,569	133,636	71,874	1,182,785	804,550	—17.26	+53.84	+47.01
5	East South Central	18,496	26,253	12,676	206,529	149,227	—29.55	+45.91	+38.40
6	West North Central	39,877	46,993	30,744	417,679	338,937	—15.14	+29.71	+23.23
7	West South Central	47,952	52,282	27,199	412,604	314,211	— 8.28	+76.30	+31.31
8	Mountain	18,185	21,249	13,145	170,602	129,454	—14.42	+38.34	+31.79
9	Pacific	57,816	64,415	41,018	568,145	413,964	—10.24	+40.95	+37.25
	Total—United States	457,285	532,279	321,224	4,635,346	3,473,060	—14.09	+42.36	+33.47

States comprising the various regions are: Zone 1—Conn., Me., Mass., N. H., R. I., Vt. Zone 2—N. J., N. Y., Pa. Zone 3—Del., D. of C., Fla., Ga., Md., N. C., S. C., Va., W. Va. Zone 4—Ill., Ind., Mich., Ohio, Wis. Zone 5—Ala., Ky., Miss., Tenn. Zone 6—Iowa, Kan., Minn., Mo., Neb., N. D., S. D. Zone 7—Ark., La., Okla., Tex. Zone 8—Ariz., Colo., Ida., Mont., Nev., N. M., Utah, Wyo. Zone 9—Alas., Cal., Ore., Wash.

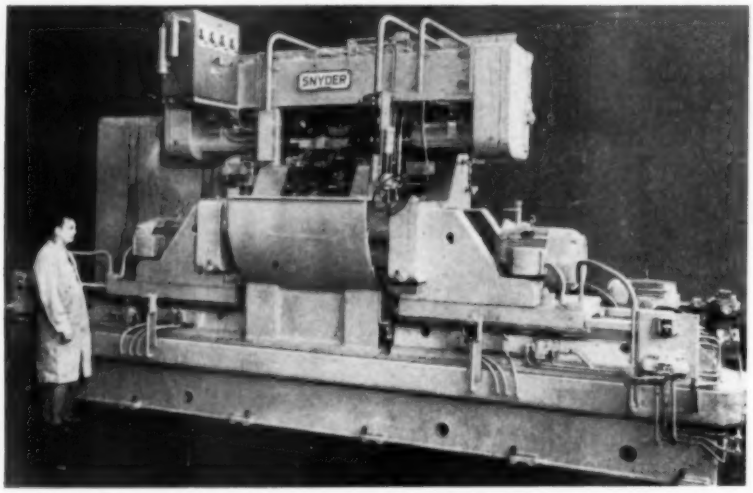
1959 TRUCK FACTORY SALES BY G.V.W.

As reported by the Automobile Manufacturers Association

Period	6,000 lb. and less	6,001-10,000 lb.	10,001-14,000 lb.	14,001-16,000 lb.	16,001-19,500 lb.	19,501-26,000 lb.	26,001-33,000 lb.	33,000 lb. and over	Total
First Quarter	155,408	51,094	3,915	25,857	35,133	15,806	10,358	9,801	307,372
Second Quarter	175,239	54,788	4,576	32,002	43,676	18,150	11,513	11,505	351,449
Total—Six Months	330,647	105,882	8,491	57,859	78,809	33,956	21,871	21,306	658,821
July	58,411	15,893	1,757	10,943	14,011	6,801	3,517	3,354	114,687
August	28,160	7,986	340	2,857	10,465	4,713	2,970	2,656	60,147
September	45,747	10,768	736	2,737	8,550	4,179	3,783	3,073	79,573
Total—Third Quarter	132,318	34,647	2,833	16,537	33,026	15,693	10,270	9,083	254,407
October	45,488	15,495	1,083	8,959	11,271	5,386	4,103	3,208	94,993
Total—10 Mos. 1959	508,453	156,024	12,407	83,355	123,106	55,035	36,244	33,597	1,008,221
Total—10 Mos. 1958	334,263	98,902	10,573	64,605	79,814	43,151	25,514	24,034	680,856

NEW PRODUCTION and PLANT EQUIPMENT

FOR ADDITIONAL INFORMATION, please use reply card at back of issue



The Snyder special six station machine tool has a separate hydraulic tank and pump

New Snyder Trunnion Type Index Machine

A trunnion type machine tool, that utilizes in process gaging and thread rolling techniques, has been employed in the manufacturing of forged steel truck steering knuckle control arms.

The six-station machine has an index fixture that holds two parts in each station. Thus two finished parts are completed with each index of the machine. Part unloading and loading at the first station is accomplished during the machining cycle.

One of the most interesting features of the machine is the gaging and thread rolling operation that takes place at the sixth station. The diameter of a part on which a thread is to be rolled is a very critical dimension. If it is too large, the thread rolls can break. If the diameter is too small, a thread of insufficient form will be produced.

For these reasons, Snyder engineers included an in-process gaging operation in connection with the thread rolling cycle at the sixth station. The thread rolling function is performed by Acme die heads traversed by dual motorized lead screw units mounted on top of each trunnion support.

Before the threads are rolled, hydraulic cylinder-operated scissors-type toggle mechanisms cause air snap gages to check the diameter of both ends of both parts at the sixth station. If the diameters of both parts are correct, the thread rolling sequence is initiated. If either part fails to pass the inspection check, the machine is shut down automatically.

Circle 27 on postcard for more data

Deceleration Valve

A new 5 to 25 gpm deceleration valve for hydraulically actuated machinery permits external adjustment of back pressure to provide the desired deceleration rate. The new valve was recently announced by *Vickers Inc., Div. of Sperry Rand Corp.*

To provide proper deceleration characteristics through the complete flow range, the internal port area is altered by the external adjustment. Spool stroke length remains constant regardless of volume setting.

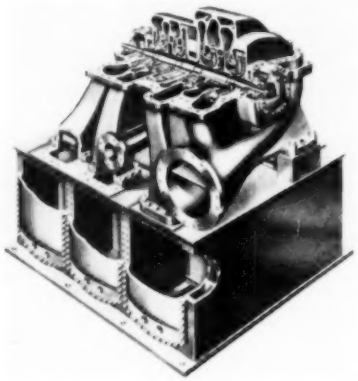
Machine tool set up time is reduced as the new valve eliminates the need for special valves, spool modifications and deceleration cam alterations. An adjustable needle valve permits metering oil through the valve when complete shut off is not desired.

Circle 28 on postcard for more data

Air Compressor

A NEW, high efficiency, multi-stage centrifugal air compressor, designed to furnish 100 lb air for oxygen plants, centralized air systems and other industrial air applications has been introduced.

Designated the *Clark* H Line, this new series features integral intercoolers between each stage of compression for highest possible efficiency. Six case sizes are available with horsepowers ranging from 1000 to 8000 bhp and capacities from 5000 to 38,000 cfm.



Clark's new centrifugal air compresser

Bearing supports are cast integral with the case, assuring permanent built-in alignment for the life of the machine. Back to back impeller design provides inherent thrust balance, thereby eliminating the need for a thrust balancing device. A double thrust bearing absorbs any residual thrust load and accurately locates the shaft axially. The case is horizontally split to permit fast easy maintenance. *Clark Bros. Co.*

Circle 29 on postcard for more data

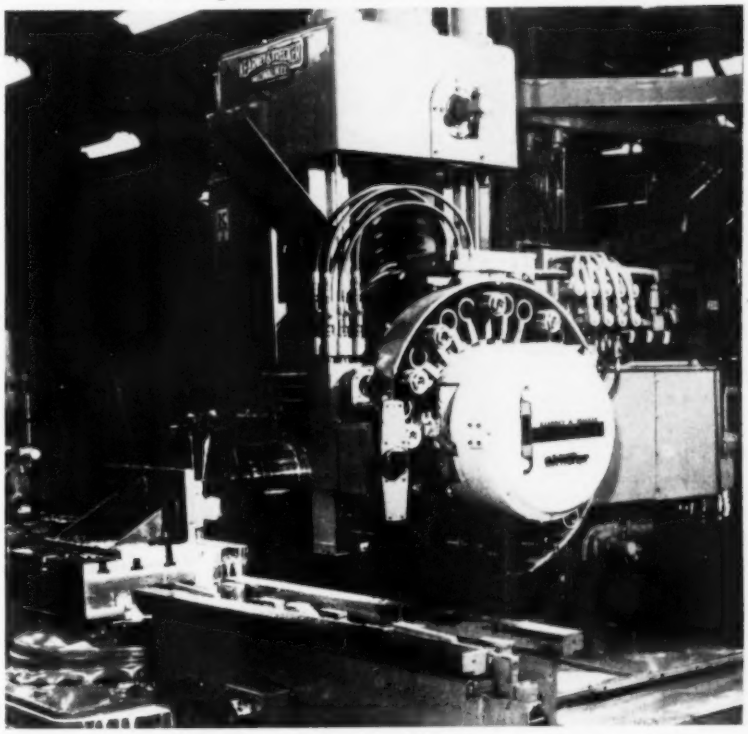
Numerically Controlled Production Machine

FIRST production runs of a numerically controlled combination milling, drilling and boring machine on airplane parts have been successfully made at the *Boeing Airplane Company*. The unit, a *Milwaukee-Matic produced by Kearney and Trecker*, is the latest aid to economical and close tolerance production of small components for the Boeing B-52G missile launching system.

B-52G parts such as elbows, housings or forgings of the size and type which would (roughly) fit into an 18 in. cube, can be handled on the machine, the first of five such units scheduled for Boeing-Wichita. The Kansas plant has four other types of numerically controlled machines in operation and a background of more than two years experience in this field.

The unit automatically does any combination of drilling, tapping, reaming, surface milling, boring or counter-boring according to directions from a standard Flexowriter punched paper tape. This can be programmed manually or through a 705 computer. There are two (8-channel) tape readers in cabinets adjacent to the machine, so that as it shifts from one part to the next, a second tape is ready. Two different parts are worked alternately; tooling costs are kept down because only one part holder is needed for each part. *General Electric* point-to-point equipment is used for tape control.

The machine's device for tool storage and changing can rapidly "juggle" a total of 31 tools. Production parts first put on the machine required as many as 21 different tools. Tools are programmed to operate on a 3-axis basis: longitudinal, vertical and depth. They are mostly standard-type drills, reamers, cutters and similar tools and are pre-set by tool crib personnel. The tool-selection device picks its tools by a binary code of rings and grooves on the tool holders. It can select the proper tool, insert it in the spindle, and simultaneously return the previously-used one to a vacancy in the wheel-type tool magazine, in a transfer time of about eight seconds.



A machine, numerically controlled by a tape device, is employed on aircraft parts by Boeing Aircraft Co.

The work table is designed for indexing to any of eight 45-degree positions, so that the tool has 360-degree access to the part without changing the holding fixture. Double workload stations allow the operator to load one part while another is being machined. Reciprocal action between the pallet shuttles is automatic, so that down time is kept to a minimum.

Circle 30 on postcard for more data

All Weather Welding Units

NEW arc welders completely weather proofed against rain, cold and heat have been announced by the *National Cylinder Gas Division of Chemetron Corporation.*

These "Sureweld" DRH Series Horizontal DC Rectifier Welders are horizontal direct current units built to withstand rough handling and adverse weather.

Protection from the elements includes double dipped Class B insulation on the transformers to provide maximum resistance to moisture and increased dielectric strength; fully sealed, semi-metallic rectifiers; totally enclosed, lifetime-lubricated fan motors with louver-protected air intakes and exhausts; Cam-Lok output terminals; non-corrosive on-off switch contacts; and corrosion-resistant baked enamel cabinet finishes.

Performance features include a dual current range with a single rheostat, controlling output in each range; maximum arc stability because of a patented weld stabilizer, specially designed transformer and high open-circuit voltage; hand or foot low voltage remote control units; and horizontal type cabinet construction to facilitate stacking of units and the saving of floor space; and easy connections for parallel operation.

Circle 31 on postcard for more data

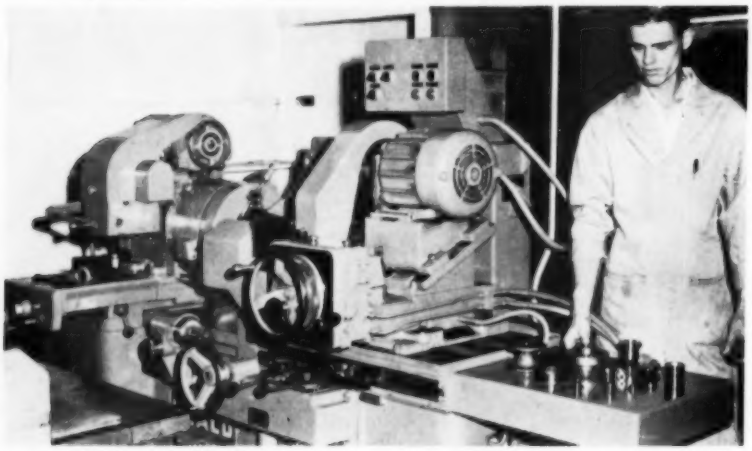
Lathe Thread Miller

A PORTABLE lathe thread miller is being manufactured by the *Fen Thread Machine Co.* Attached to a screw cutting engine lathe, 9 to 20 in., brittle plastics, beryllium, stainless steel and titanium can be machined. Its operational range is from 4 to 200 threads per inch. This device also mills 60 deg Acme and square threads.

Circle 32 on postcard for more data

NEW PRODUCTION and PLANT EQUIPMENT

Universal Grinder Handles Runs From One to 500



Pictured is the part variety handles on a new universal grinder which can handle runs from one to 500. It holds tolerances within 0.000050 in. on special, short runs and on production runs easily holds to 0.0001 in. It has a 20 in. table, three wheelhead positioning, 90 degree workhead swivel for rotary surface grinding, and 150 to 450 rpm variable speed workhead. (The Heald Machine Co.)

Circle 33 on postcard for more data

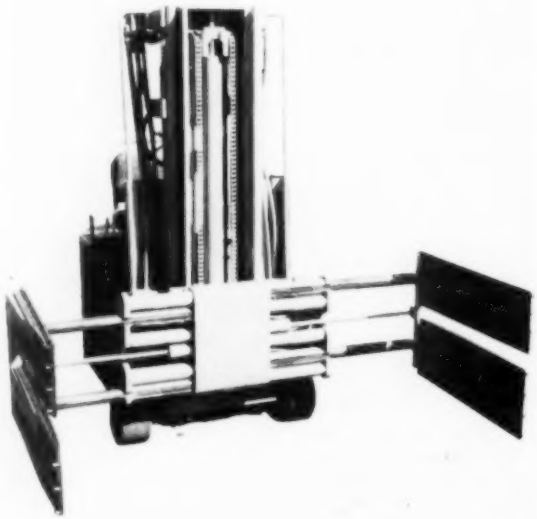
Blade Micrometer

A line of micrometer calipers with blade type anvils and spindles has been introduced. These new micrometers are designed to facilitate measuring depths of narrow grooves, slots, keyways and recesses. The blade type anvil and spindle measure .030 in. in thickness and will measure depths up to 5/16 in. This micrometer also features a non-rotating spindle to prevent it from turning in a slot or rolling off narrow shoulders. It is being manufactured in five sizes from 0 to 1, 1 to 2, 1½ to 2½, 2½ to 3½, and 3½ to 4½ in. They are all graduated in thousandths of an inch with every thousandth numbered for easy reading. *The L. S. Starrett Co.*

Circle 34 on postcard for more data

Electric Lift Truck With Side Shift Load Grab

The SpaceMaster Model "J" with cascade clamp and little giant multi-purpose arms makes it possible to handle almost any type of non-palletized load. Multi-purpose arms eliminate the necessity of using a different truck or changing arms when handling different types of loads. These all-purpose arms will handle unit loads of drums, cartons, crates, bales, rolls and many others. The arm gripping surface is either smooth or rough-top rubber bonded to steel sheets which are screwed to the plates. Other types of surfacing are also available. (Lewis-Shepard Products, Inc.)



Circle 35 on postcard for more data

Electric Hydraulic Press

Two new motorized hydraulic presses, engineered to handle tough and heavy-duty jobs requiring pressures of 60 and 80 tons respectively, have been introduced by the *ACCO Equipment Division, American Chain & Cable Company.*

Complementing their recently announced 150 Ton Electric Hydraulic Press, these machines have been designed to meet the wide variety of pressroom needs in industry. Frame members of these high capacity presses are fabricated from structural steel, and their rams are ground to obtain a fine 16 micro-inch finish.

The units are provided with completely enclosed hydraulic systems which prevent fluid contamination. They are equipped with easily removed fine mesh screens to filter the oil supply, while all fittings and connections are designed to contain the high pressures developed during work cycles.

They can be moved through a wide range of travel by a worm gear reduction winch. This winch is self-locking and has a sealed and lubricated gear train system for greater safety.

The entire hydraulic work head on the 60 ton press is mounted on ball bearing wheels and can be moved by finger pressure to any desired work position. Easy and fast contact, between the ram and work, is made possible on both units by rotating a convenient hand wheel which has been geared to an Acme thread, ram extension screw. It permits rapid approach to the work, makes contact for proper positioning, and reserves the full power stroke for the work to be performed.

Circle 36 on postcard for more data

Micro Hardness Tester

A NEW micro hardness tester, with a vertical capacity of 8 in., has been announced by the *Torsion Balance Company.*

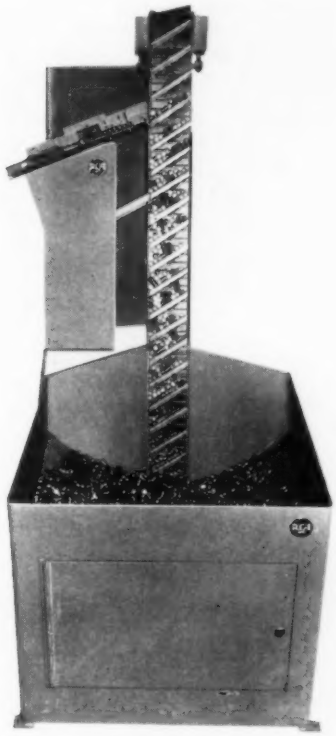
The KENTRON micro hardness tester applies dead weight loads from 1 to 1000 grams. Additional weights for applying heavier loads up to 10,000 grams can be furnished as optional equipment.

Known as the model AK 8, this equipment is basically a production control instrument.

Circle 37 on postcard for more data

Orienting Belt Elevator

THE *Radio Corporation of America* has designed an orienting belt elevator that will handle a wide range of rolling or sliding parts. This device has variable speed control, and the right or left hand discharge can be applied directly to production or assembly machines.



R.C.A. "demand-feed" control optional

Circle 38 on postcard for more data

Production Press Line

Studebaker's new line of presses are capable of ram cycle speeds up to 2500 per hour. These machines are equipped with two hand safety controls, wired for either mometary contact through timer control for positive stroke cycle, or manual control. The half inch power stroke is controlled by Micro-switch. New positive mechanical ram down-stop control operates independently of oil or electrical circuits, and is adjustable to close tolerance. Daylight between ram and bottom plate is 16 in., and throat depth and ram stroke are both 8 in. *Studebaker Hydraulic Products Co.*

Circle 39 on postcard for more data

New Gas Welding Units

THE *Air Reduction Sales Company* has placed on the market two new automatic units for use with Airco's Heliweld (tungsten-inert-gas) welding process.

Of entirely new design, these Heliweld automatic units, designated model HMH-D and HMH-E, are electronically controlled and can be used for either AC or DC Heliwelding, without an accessory control, using argon, helium or mixtures of these shielding gases as required.

The units are specifically designed for long-run production Heliwelding applications on all ferrous and nonferrous metals where good weld appearance is necessary or where stringent specifications must be met.

They are identical with one exception, the model HMH-D is equipped with 3 and 12 in. offset bars to which the machine holder can be attached. Principal advantages of the machines are sensitivity and response to changes in arc length; touch or high frequency starts; 360 deg rotation in any position with a 2 in. adjustment of the machine holder across the weld bead; and vertical travel distance of 14½ in.

These Heliweld automatic units can be operated at a maximum of 500 amperes continuous duty cycle, DC straight polarity using thoriated tungsten electrodes or 350 amperes AC. Electrode diameters from 0.010 in. through 3/16 in. may be used. Holders have a maximum vertical rate of rise of 24 in. per minute.

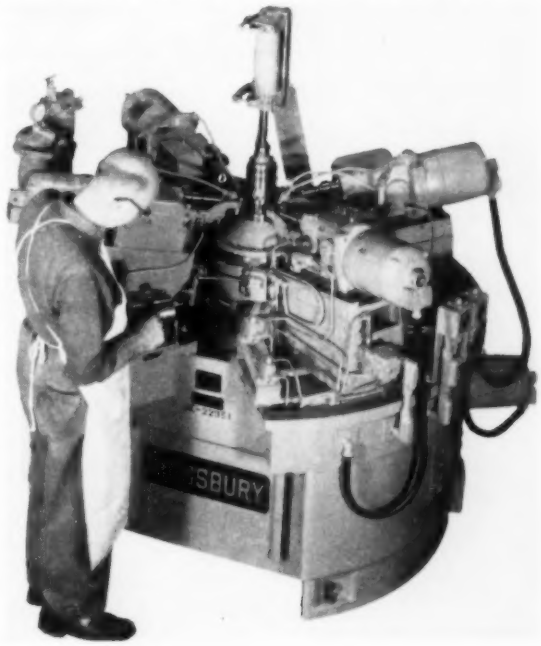
Automatic Heliweld units for AC or DC

Circle 40 on postcard for more data

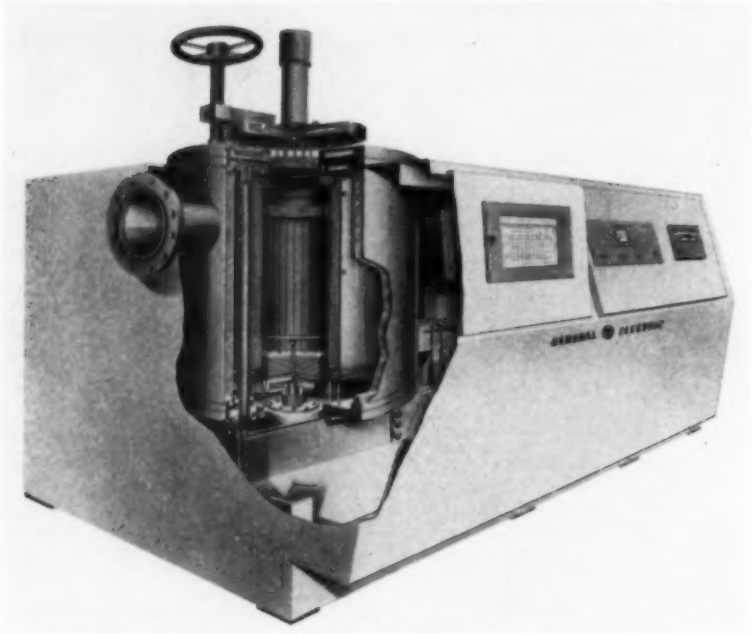
Multi-Unit Automatic Features Indexable Fixtures

This Kingsbury multi-unit automatic drills 16 smoke holes in pistons for diesel engines at a gross rate of 100 parts per hour. There is one work fixture that indexes for one revolution on its own axis, 90° at a time. The large bore in the bottom of the piston fits over a locator in the fixture. An air cylinder clamps the part down during the working cycle and unclamps it after the last operation. Four units drill 16 smoke holes equally spaced in two rows. Each unit drills four holes 90° apart. Bushings in sliding carriers guide all the tools. (Kingsbury Machine Tool Corp.)

Circle 41 on postcard for more data



NEW PRODUCTION and PLANT EQUIPMENT



New General Electric vacuum furnace for heat treatment, brazing and sintering.

High Temperature Furnace for Heat Treatment

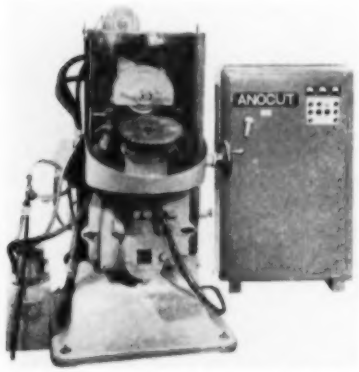
A NEW high temperature vacuum furnace for critical heat treating has been announced by *General Electric*. The furnace operates at temperatures up to 4200 F and is designed for use in production work where vacuum operation is required. Material 10 in. OD by 10 in. high and weighing up to 50 lb can be processed in the furnace. This double walled furnace has an all stainless steel casing, and radiation shields surrounding the load area. Inner shields which operate at highest temperature are tungsten while outer shields, which operate at a lower temperature, are molybdenum. Heating elements are ⅛ in. tungsten rod, connected in parallel.

Circle 42 on postcard for more data

Face Mill Grinder

The electrolytic grinding process has been applied to an automatic face mill grinder recently announced by *Oliver Instrument Company*.

It is said that the new combination produces substantial savings in diamond wheel costs and cutter life, while improving workpiece finish due to the face radius and reduced grinding run-out on the face mill. The electrolytic grinding process also eliminates carbide insert cracking and checking normally experienced with conventional grinding methods.



Hydraulically operated automatic grinder

In a completely automatic cycle the machine grinds the lead angle, corner radius, face radius, dish and soft steel backing of inserted teeth. Tooth shape is controlled by a cam arrangement. Machine cycle time, on a given tooth, averages 29 seconds producing approximately an 8 micro-in. finish.

Four machine sizes accommodate face mills from 4 to 21 in. in dia. The face plate which holds the cutter, indexes automatically and can be set for 8 or more teeth.

Circle 43 on postcard for more data

Tapping Attachment

Introduction of the new Tapmatic "500A," an adjustable torque, high production tapping attachment has been announced by Tapmatic Corporation, 845 West 16th Street, Costa Mesa, California.

The new Tapmatic "500A" more than meets torque and speed requirements to successfully accommodate the new fluteless taps as well as all standard taps. Recommended maximum speed is 2000 rpm and at this speed unit reverses at 3000 rpm.

Ideal for high production or automated set-ups, the "500A" has proven itself capable of producing millions of high precision tapped holes under the most difficult field applications without requiring any service or repairs.

It incorporates easy to adjust torque control graduations based on the breakage factor of taps for determining proper torque for each size tap. Tap breakage is, therefore, virtually eliminated even in blind hole tapping.

500-A Attachment for production tapping

Circle 44 on postcard for more data

AUTOMOTIVE INDUSTRIES KEEPS YOU INFORMED

(*Turn to page 76, please*)

(Advertisement)

RB&W FASTENER BRIEFS

RUSSELL, BURDSALL & WARD BOLT AND NUT COMPANY

Technical-ities

By John S. Davey

The choice between a cap screw and socket head screw

If you have the choice, make it a socket screw when you have a space problem, but choose the cap screw for more holding power per dollar.

No question that you should apply socket screws in counterbored holes; and that you can clear tight spaces. What you can't do is utilize the full strength of the alloy needed for the socket head. And remember, strength of a connection depends on how you preload the fasteners, and not on the strength of the fastener material alone.

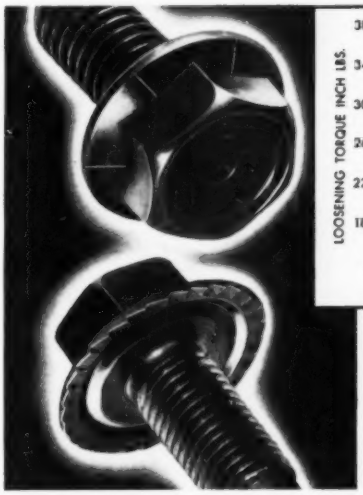
THE HANDICAPS OF ONE

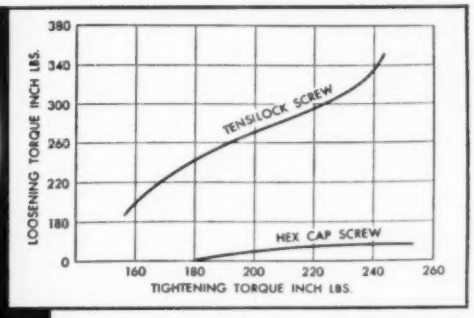
Internal wrenching rarely develops as much torque as needed for proper preloading. And if high torque is developed, the smaller bearing area of the socket head tends to crush the surface on which it bears rather than increase tension or preload.

THE ADVANTAGES OF THE OTHER

If you design to take advantage of heat treated cap screws of SAE grade 5 quality, you'll get a stronger connection at lower cost. These standard fasteners have ample bearing and wrenching surfaces, can be torqued right up to yield strength. They also cost less than the alloy fasteners.

New TENSILOCK* Screws seat tighter, lock tighter





Graph shows example of on-torque and off-torque relationship. It takes more torque to loosen than to tighten.

RB&W's new TENSILOCK screws, the toothed fasteners with high tensile locking, are identified by six radial dashes on flange.

Head has integral washer face with teeth that lock fastener to surface. Circular groove allows flange to flex and seat to bear solidly on surface.

RB&W's TENSILOCK fasteners feature ratchet-like teeth formed at an angle which cuts driving effort yet which enables the teeth to bite in firmly and give an improved grip against back-off.

In addition, a circular groove in the integral "washer" permits the flange to flex upon tightening, and helps maintain tension in the fastener and pressure on the teeth.

IMPROVED TENSION TO TORQUE RATIO

With reduced friction under the head, the new tooth design has enabled more of the wrenching torque to be used to develop tension and less to overcome friction. Since the flange flexes, it allows the screw to bear solidly on its seat. All of the high strength capabilities of these heat-treated one-piece fasteners can now be attained for a stronger assembly.

MORE LOCKING POWER

Tensilock screws need up to 40% more off-torque than on-torque. Combining this feature with the higher residual tension, and the diaphragm action of the integral washer face, these fasteners give superior locking and holding power for permanently tight, strong joints . . . even under severe vibration and cyclic temperature changes.

Now available in limited range of screw types (not in flat head), and in various nut sizes. For details, write Russell, Burdsall & Ward Bolt and Nut Company, Port Chester, New York.

* Trade Mark Pat. applied for.

Plants at: Port Chester, N. Y.; Coraopolis, Pa.; Rock Falls, Ill.; Los Angeles, Calif. Additional sales offices at: Ardmore (Phila.), Pa., Pittsburgh; Detroit; Chicago; Dallas; San Francisco.

Circle 140 on Inquiry Card for more data

NEW PRODUCTS AUTOMOTIVE-AVIATION

FOR ADDITIONAL INFORMATION, please use reply card at back of issue

Small Magnetic Chucks

THREE new permanent magnetic chucks, sizes 4 by 4, 4 by 8, and 6 by 6 in. have been announced by the *O. S. Walker Co., Inc.* They feature an all steel face, low height and ceramic magnets. These small chucks are said to be particularly useful in tool room set up operations.

Small Walker chucks feature fine pole division

Circle 55 on postcard for more data

Passenger Tire

In a development program a completely new, and a redesigned tire have been produced in the small tire size for the new compact American cars. According to the manufacturer these tires feature a tread compounded of a high-dispersion rubber they have trade marked Corbojet. Both tires are available in nylon or viscose cord, tube or tubeless and black or whitewall. *The Seiberling Rubber Co.*

Circle 56 on postcard for more data

Single-Stage Turbine

A new model of the J34 jet engine is being produced by *Westinghouse Electric Corporation's aviation gas turbine div.* Designated the J34-WE-48, the "hot end" of the engine is a basically new design and features a single-stage turbine. Each of the seven previous J34 models used a two-stage turbine.

The single-stage turbine engine has fewer parts, weighs less, operates at increased speed, and provides easier access for maintenance service. It also has improved heat distribution for higher operating temperature possibilities, a greater potential for extended periods between overhauls, and better reliability and durability.

The *Navy Bureau of Aeronautics* officially approved the new model for production after the engine had undergone almost 1600 hours of tests, including in-flight tests and a 150-hour military qualification test.

It is expected that the single-stage engine will become operational in the *North American* T2J-1 trainer late in 1959.

Circle 57 on postcard for more data

New Spark Plug

A new Autolite standard ¾ in. reach spark plug with power tip has been announced by the *Electric Autolite Co.* It has been reported by the manufacturer that the new plug will be designated AG42, and that it is original equipment in the 1960 Chrysler line for all six-cylinder engines. In addition to the AG42 Autolite offers a complete line of power tip spark plugs, especially designed for modern overhead valve engines.

Circle 58 on postcard for more data

Pressure Switch

The type 95,000 Series pressure actuated switch incorporates a snap action switch mechanism that is actuated by a piston, spring loaded against system pressure. High overload pressure will bottom piston to completely close off and protect the switching element. The unit is sealed from outside atmosphere and qualified 100,000 cycles. Weight is less than 7 ounces and tubular design simplifies installation. This unit operates in systems to 4000 psi and is fully qualified for aircraft and missile use. *Hydraulic Research & Manufacturing Co.*

Circle 59 on postcard for more data

Film Lubricant

A new solid film lubricant for use in vacuum (high altitudes) has been developed. The lubricant, a ceramic-bonded molybdenum disulfide, has been designated Lube-Lok 1005.

This material has been tested successfully on moving parts of satellite cameras and other bearing surfaces in test chambers at altitudes in excess of 100,000 ft. At this altitude, the use of lubricants containing organic binders results in prohibitive outgassing.

Test results on Lube-Lok also show longer wear life than organic bonded solid film lubricants, oils or greases. It lubricates in temperatures up to 700 deg F in the presence of not more than one pct free oxygen. *Electrofilm Inc.*

Circle 60 on postcard for more data

New Jet Engine Housing

A standard production-line jet engine with a reinforced plastic compressor housing instead of the usual metal one has operated successfully for 150 hours (the airborne equivalent of approximately 75,000 miles) at *Westinghouse Electric Corporation's aviation gas turbine div.*

Molded plastic housing tested 150 hrs.

The plastic resembles the type successfully employed in the nose cones of missiles. However, this marks the first time that a plastic component of such size and complexity has been incorporated into an experimental jet engine and proved capable of withstanding all the rigors of full-scale engine operation.

It is said the plastic structure was in excellent condition after its grueling test.

Circle 61 on postcard for more data

This Mallory Material for These Contact Applications

Palladium Elkonium

gasoline gage
turn signal flasher
voltage regulator

Silver Elkonite

air conditioner solenoid
circuit breaker
starter solenoid

Silver Elkoniums

back-up light switch
circuit breaker
control switches (air conditioner)
convertible top switch
dimmer switch
gasoline gage
horn relay
neutral safety switch
oil pressure gage
overdrive relay
power brake relay
seat adjuster switch
starting relay
stop light switch
vacuum safety switch
voltage regulator

Tungsten

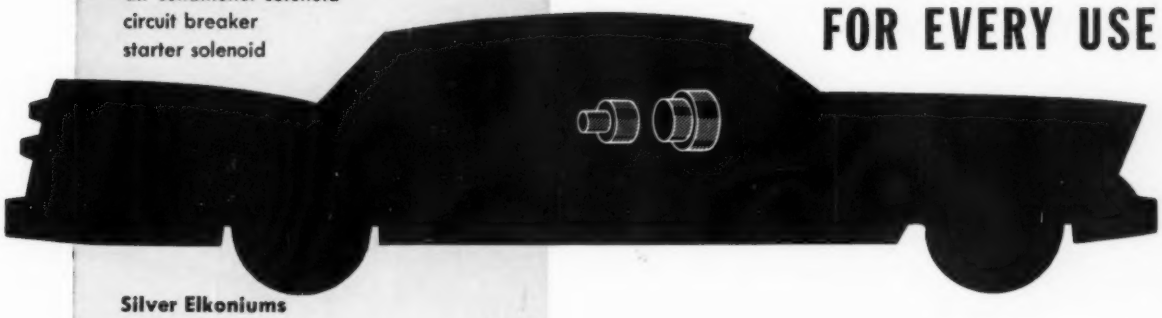
distributor
fuel pump
horn
radio vibrator
voltage regulator

Plated Silver

defroster switch
directional signal switch
dome light switches
heater switch
horn switch
ignition switch
window lift switch
windshield wiper switch

From Mallory

RIGHT CONTACT MATERIAL AT RIGHT PRICE FOR EVERY USE



Mallory offers the widest range of contact materials available. Whatever the requirement, Mallory has the right contact material to meet it . . . and you get it at a price that's right.

Heavy duty? Mallory Elkonite® contacts, a unique combination of conductive and refractory materials, fill the "work-horse" requirement. Medium to light duty? Mallory has a broad variety of materials . . . tungsten, Elkonium® alloys, plated silver and others . . . from which we can recommend the best combination for performance and cost.

A thorough engineering approach to the problems of contact metallurgy and design has been one of Mallory's major contributions to the automotive industry. Mallory's experience extends over 43 years . . . includes pioneering work in powder metallurgy. Our varied and extensive production facilities assure you the most value for your money.

Mallory contact engineers will gladly recommend materials best suited to your requirements. Just write or call for a consultation.

Mallory Metallurgical Co., Indianapolis 6, Ind.
a division of

P.R MALLORY & CO Inc.
MALLORY

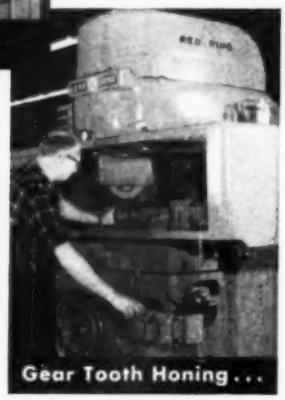
Circle 141 on Inquiry Card for more data

FAIRFIELD FACILITIES ... at Your Service

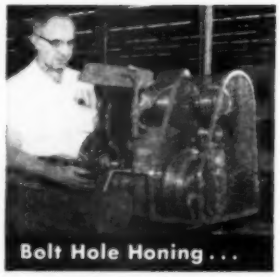
Left—High accuracy balancing of rotating parts, including unusual off-center and counterweighted designs, can be handled rapidly and efficiently with the aid of this ingenious machine which utilizes stroboscopic light to locate the unbalance, an electric meter to measure the amount of unbalance, and a drill, mounted integrally, to remove indicated amount of metal for desired balance—followed by immediate inspection—all completed in a single handling.

Below—Other examples of specialized equipment "at your service" at FAIRFIELD.

Gear Balancing . . .



Gear Tooth Honing . . .



Bolt Hole Honing . . .

—to give you

1. TIME SAVINGS
2. LOWER COSTS
3. BETTER GEARS

At Fairfield, YOUR GEARS are in the hands of specialists equipped with every facility for handling production RAPIDLY, EFFICIENTLY, and ECONOMICALLY. Special or unusual requirements in design, size, finish, tolerances, processing, materials, and heat treating are often "standard" at FAIRFIELD.

Fairfield's gearmaking facilities save capital investment for many builders, large and small, of power driven equipment. At Fairfield, you get the benefits of high production rates and big volume output in an ultra-modern plant designed exclusively for producing fine gears. *Become a Fairfield customer; it pays!* CALL OR WRITE.

FAIRFIELD
MANUFACTURING COMPANY, INC.
2303 S. Concord Rd. Lafayette, Indiana
TELEPHONE: 2-7353

Gears and Differentials for FINE GEARS *Made to Order for:*

TRACTORS • HEAVY DUTY TRUCKS • AGRICULTURAL MACHINERY • POWER SHOVELS AND CRANES
MINING MACHINES • ROAD GRADERS • BUSES • STREET SWEEPERS • INDUSTRIAL LIFT TRUCKS

(*Continued from page* 68)

Hydraulic Gear Pumps

The first two pumps of a series has been announced by *Be-Ge Mfg. Co.* These pumps, designated models PM-106 and PM-110, have been tested to rigid SAE test codes. At 2000 rpm and 1500 psi the PM-106 is rated at 13 gpm, and the PM-110 is rated at 20 gpm. All ratings are based on actual continuous operation.

Circle 62 on postcard for more data

Hand Shear

An electric shear, that will cut through 18 gauge cold rolled steel at 30 fpm, has been introduced. This tool is designed to deliver 2500 cutting strokes per minute, and requires only slight forward pressure. It derives its power from a motor

Production hand shear delivers 2500 cutting strokes per minute

with spiral bevel gears, ball bearings, a forged connecting rod, centrifugal fan and a heavy duty switch. *Black and Decker Mfg. Co.*

Circle 63 on postcard for more data

Press-Drive Motors

New press-drive motors, type WPD, from 1 to 300 hp designed for metal cutting and forming machines are available from the *Westinghouse Electric Corporation.* These motors are all high slip, high starting torque and low starting current and are recommended wherever extremely dirty atmosphere or high concentration of oil moisture or chemicals are present. In frames 182 to 8120, these motors are constructed in four general types: drip proof, totally enclosed fan-cooled, explosion-proof, and forced-ventilated motors.

Circle 64 on postcard for more data

(*Turn to page* 72, *please*)

...and it's on!

Packard "SPRING-RING" Battery Cable Saves Time

Packard "SPRING-RING" battery cables require no special tools for installation. A pair of pliers . . . a squeeze on the tangs . . . and they are on, providing a high-pressure contact. • Available for both positive and negative battery posts, "SPRING-RINGS" are smaller than conventional terminals so there is less chance of interference with battery filler caps and hold-downs. • Because they offer so many advantages, Packard "SPRING-RING" terminals are original equipment on many 1960 General Motors cars. For full details contact Packard Electric today. Branch offices in Detroit and Chicago.

Packard Electric

Warren, Ohio

GM GENERAL MOTORS

"Live Wire" division of General Motors

Circle 143 on Inquiry Card for more data

(*Continued from page* 70)

Shock Absorbers

Automotive type shock absorbers, which dampen impact and cut down on excess movement, are finding many uses in the helicopter field, according to *J. E. Heckethorn*, research and engineering vice-president of the *Heckethorn Mfg and Supply Co.*

In addition to their conventional use on airplane landing wheels, shock absorbers are also being used on stabilizers, loading arms and pontoons of the helicopters. *Sikorsky Aircraft* is now using shock absorbers with special fittings on the horizontal stabilizer of its S-56 helicopter. The shock absorbers limit the movement of the stabilizer during rough weather giving a smoother ride and protecting the stabilizer machinery.

In the S-55 helicopter, the shock absorbers are used on the flotation gear to cushion the landing impact.

Columbus shock absorbers increase dampening action through an air-trap dome which keeps the hydraulic fluid and air separated.

Circle 65 on postcard for more data

SEIBERT FLOATING HOLDER

Compensates For Misalignment Of Tool And Hole

• ECONOMICAL
• CONVENIENT
• EFFICIENT
Continues to Float Freely when Tool is at Work
MORSE TAPER SHANK — Others available.
EXTRA BEARING CAPACITY—Withstands heavier thrust loads.
COLLET-CLOSING RING—Provides for quick tool changes.
SEIBERT & SONS CHENOA, ILL.

This holder, one of a long line of SEIBERT fine machine-tool accessories, provides a full float to compensate for misalignment of hole and tool when such operations as drilling, tapping, and reaming are performed. It also provides for holding close tolerances, it eliminates much downtime, and it permits quick tool changes. The float in all directions is not hampered by friction or binding in the driving mechanism.

HEAVY-DUTY DESIGN ASSURES LONG LIFE

The heavy-duty design provides extra bearing capacity to assure long life, and the positive lubrication practically eliminates wear and parts replacement. All types of shanks are available in a range of sizes, including an adjustable adapter shank.

Send for complete specifications and price information.

SEIBERT

SEIBERT & SONS, INC. 1008 E. 24th STREET CHENOA, ILLINOIS

Quality MULTIPLE DRILL SPINDLES AND PRODUCTION TOOLS

New Diode Series

New fused silicon diodes with lower reverse leakage have been developed and are in production at *Hughes Aircraft Company.*

The new diodes range through types 1N645 to 1N649. Previous diodes of these types employed diffused silicon as the semiconductor element, according to L. James Levisee division manager.

Levisee said the diode series is specially designed to meet severe environmental requirements of such military equipment as missile telemetering links, airborne radar and communications gear. The diodes feature a Dumet-stud heat sink and are encased in the standard Hughes hard glass package.

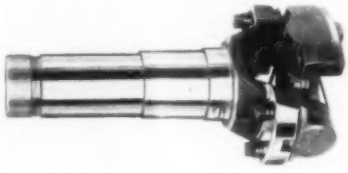
The units have a power dissipation rating at 25 deg C of 600 mW, putting them in the medium power classification. Peak inverse voltage at −65 to +150 deg C varies from 225 volts for type 1N645 up to 600 volts for type 1N649. The remaining types are rated at 100 volt intervals. Minimum average rectified forward current is 400 mA at 25 deg C derated to 150 mA at 150 deg C.

Specifications include a minimum breakdown voltage, at 100 deg C, of 275 volts for the 1N645, and 720 volts for 1N649. Maximum voltage drop at 400 mA forward current is approximately 1 volt. Typical capacitance with a reverse bias of minus 12 volts at 1 mc is 9 uuf.

Circle 66 on postcard for more data

New Universal Joint

A newly designed universal joint, that has been designated model 58WB, is said to provide 39,000 lb in. torque. This unit has a six in. dia swing and features a key type yoke. The new component was developed in a cooperative effort with a large



Universal joint designed for trucks

truck manufacturing firm and is being used on ten models of their 1960 line. This new Blood Brothers universal joint has been introduced by the *Rockwell-Standard Corp.*

Circle 67 on postcard for more data

(*Turn to page* 74, *please*)

(Advertisement)

AMCHEM Information Bulletin

CHEMICAL PREPAINT TREATMENTS FOR METAL SURFACES

What they do, the types available, how they are applied

By J. H. GEYER, Manager, Product Development Dept., AMCHEM PRODUCTS, INC.

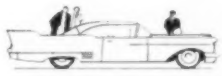
Paint systems have been steadily improved in an effort to produce more decorative, easier-to-apply, and more corrosion-resistant films. The ability, however, of any paint film to perform its predetermined functions cannot be fully utilized without properly preparing the metal surface.

Chemical *prepaint* treatments are designed to do four jobs and do them well. First, they remove organic soils, shop dirt, scale, and rust or corrosion products from the metal surface. Second, they provide surfaces that are completely compatible with subsequent paint films. Third, they produce a *tooth* that promotes good paint film adhesion. Fourth, they effectively prevent underpaint corrosion growth after any breakthrough in the paint film.

Basically, there are four types of chemical prepaint treatments—phosphoric acid, iron phosphate, zinc phosphate, and amorphous phosphate or chromate.

Phosphoric Acid—Phosphoric acid cleaner combination materials are an example of economical chemical prepaint treatments. Amchem Deoxidine is such a material. It removes organic soils, rust, scale and contaminating elements from the metal surface. It also produces a light etch on steel, aluminum or zinc surfaces which considerably aids in increasing paint adhesion. It does not, however, form an actual coating on the metal surface. Any breakthrough in the subsequent paint film will permit underfilm corrosion to proceed. Grades of Deoxidine are available for application by brush or swab, hot and cold dip, or hot spray.

Iron Phosphate—Iron phosphating processes are extensively used in the chemical prepaint treatment of appliances—water heater shells, ranges, washers, dryers and other *white lines*. These processes will produce excellent paint-bonding films on the metal and retard or prevent underpaint corrosion. Duridine, Amchem's iron phosphating process, is a combination organic soil cleaner and iron phosphate coating material. Both the cleaning and coating operations take place in the same bath. Duridine and other iron phosphates do not lend themselves to brush-on application, are primarily designed for spray type equipment of four or five stages. But several dip installations are successfully operating today by inclusion of an alkali precleaning stage.



Zinc Phosphate—Amchem Granodine is an example of zinc phosphating, the type now being used to treat steel in the automotive industry, and predominantly specified for steel ordnance and military items. This process forms a coating which offers the ultimate in paint adhesion promotion and vastly augments the corrosion resistance of subsequent paint films. Zinc phosphate materials are extremely flexible as to method of application—can be applied by brush, dip or automatic spray equipment. In a typical dip or power spray system, the stages would be alkali clean, water rinse, zinc phosphate treatment, water rinse, acidulated final rinse. If the metal has considerable areas of rust or scale, an acid pickle is advisable following the alkali cleaning stage.

On zinc surfaces, the zinc phosphates perform a rather unique function. They act as a barrier against chemical reaction between the applied paint film and the zinc surface. This effectively prevents blistering of the paint and early breakdown of the film. This is in addition, of course, to the improvement of paint adhesion and the retarding of underpaint corrosion. Amchem Lithoform is specially designed for use over zinc surfaces and finds wide application as a prepaint treatment for ornamental zinc die castings, refrigerator liners, and on most galvanized work requiring painted finishes.

Amorphous Phosphate and Chromate—These coatings are the films produced by the Amchem Alodine processes and similar ones on aluminum surfaces. They have met with wide acceptance in the prepaint treatment of venetian blind strips, refrigerator liners, aluminum heat transfer units, aircraft sheet metal assemblies, and many other items fabricated from aluminum. The various coatings provide an excellent film for the promotion of paint adhesion and effectively prevent underfilm corrosion. As in the case of zinc, aluminum exhibits a tendency to chemically react with some paint systems. The Alodine processes develop a barrier film between the paint and the aluminum surfaces which prevents this reaction. The Alodines are extremely versatile materials that can be applied to aluminum surfaces by brush, hand spray, dipping, or mechanical spraying. Brush application is particularly well adapted to the processing of parts too large for simple dip systems or in manufacturing operations that do not warrant a tank setup. In dip or spray application, the system usually consists of an alkaline preclean, a water rinse, the Alodine treatment, a water rinse, and an acidulated final rinse. Where the surface is heavily oxidized, a deoxidizer in the line is needed.

For more complete information about any one or all of these chemical conversion coatings, contact an Amchem sales representative or write us at Ambler ***28, Pa.***

AMCHEM PRODUCTS, INC. (Formerly American Chemical Paint Co.)

AMBLER 28, PA. • Detroit, Mich., St. Joseph, Mo., Niles, Calif., Windsor, Ont.

Amchem, Granodine, Deoxidine, Duridine, Lithoform and Alodine, are registered trademarks of Amchem Products, Inc.

(*Continued from page* 72)

Miniature Shaft Collars

Two new tiny steel collars for shafts 1/16 and 3/32 in. in diameter respectively are additions to the Hallowell line of *Standard Pressed Steel Co.* They are believed to be the smallest standard items of their kind yet offered.

They are designed to meet increasing needs of mechanical miniaturization in the electronics, instrument and machinery fields.

The alloy steel collars are used in taking up thrust, for locking, spacing and positioning shafts and for many other mechanical applications.

Collars are supplied with Unbrako hex socket set screws. Set screws are supplied with plain cup point as standard. Other points and the Nylok (nylon insert) self-locking feature are available as options.

For easy identification, bore size is stamped on the face of the collar.

Circle 68 on postcard for more data

Developing a motor-driven product?

Lamb® six-pole 400 cycle AC motor for electronic cooling in missile control equipment. Frame 1¹¹⁄₁₆ x 1¼

Lamb® four-pole capacitor start induction run motor with special bracket for telephone toll ticket process machine. Frame 4½ x 2¼

Lamb® totally enclosed fan-cooled explosion-proof motor for high pressure grease gun. Frame 3¹¹⁄₁₆ x 2¼

Lamb® heavy duty three-stage gearmotor for pipe threaders. Frame 4⅜ x 2¼

Here's a way to make sure you get The Right Motor

When you reach the point in the development of a new product where you are ready to discuss the motor, we shall welcome an opportunity to carefully study your motor problem and try to find an existing motor design that will do the job.

If the *right* motor is readily and economically available, we shall tell you. Our interest is in devoting engineering man-hours to the solution of design problems—not in duplicating development work which already has been done.

Because of this approach and because of our motor design and development experience—44 years in the small motor field—we can help your company obtain the *right* motor . . . at the most favorable cost.

THE LAMB ELECTRIC COMPANY • KENT, OHIO
A Division of American Machine and Metals, Inc.

Lamb Electric
SPECIAL APPLICATION FRACTIONAL HORSEPOWER **MOTORS**

Write for your copy... 8-page folder describes these and other Lamb Electric motors.

In Canada: Lamb Electric
Division of Sangamo Company Ltd. • Leaside, Ontario

Circle 146 on Inquiry Card for more data

Hydraulic Needle Valve

A new line of forged aluminum, steel, and stainless steel needle valves for hydraulic systems, recently introduced by *Auto-Ponents, Inc.*, is available with a choice of special needles in addition to the standard contour needle, to provide the exact throttling range required by the user.

The long, pointed standard needle provides throttling control over a broad middle range. Special needles include a vernier needle for extremely fine control, and a needle with an enlarged head for oversize openings to produce large volume throttling action.

The new Needle Valves are available in 3 models: Standard, Dial and Knob for in-line mounting and Dial and Knob for panel mounting. The Dial and Knob models permit accurate duplicating reference and throttle settings. Standard panel mounting valves may be mounted on steel panels with maximum thickness from ⅛ to ⅜ in., depending on size of the valve.

Circle 69 on postcard for more data

Midget Nut

A tiny 160,000 psi hex nut, known as the Kaylock H14-02, the all-metal, self-locking nut is so small the head of a safety match can hide it. Extreme lightness, strength and smaller envelope make it useful for fastener applications in electronic systems of missiles, rockets, and aircraft. Physical maximum dimensions are: Height 0.095 in., Base Diameter 0.172 in., Wrench Hex size 3/32 in., Weight .02 lbs per hundred. *Kaynar Mfg. Co., Inc.*

Circle 70 on postcard for more data

Hydraulic Valve

Built for mobile equipment use, a new multi-spool hydraulic valve is controlled electrically by oil-immersed, dirt-proof DC solenoids. All standard voltages, or optional AC solenoids that are pre-wired to plug-in type wiring connectors are available. For service with pressures up to 2000 psi, and with a nominal rating of 15 gpm, this new valve is now offered in a three-spool size. A two-spool model will soon be available. *Double A Products Co.*

Circle 71 on postcard for more data

Technical data for gasket design and selection

How to get better sealing at no extra cost in fiber sheet gasket applications

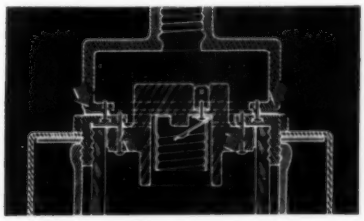
Economy is among the most important design objectives, whether it be an opportunity to reduce costs or a way to improve performance at no increase in price.

A new beater-saturated gasket material—Accopac N-852—is delivering such economy in a variety of applications where conventional plant fiber gaskets have been used.

In every case, N-852 was used at no increase in cost, and in many instances, this new material delivered a substantial bonus in better performance.

Accopac N-852 is made by a process pioneered and patented by Armstrong. In this process, cellulose fibers are combined with a synthetic latex binder and formed into dense, homogeneous sheets of unusual uniformity.

The binder in N-852 cannot be volatilized or extracted in any recommended application. As a result, gaskets cut from this new material will not shrink in use or in storage.



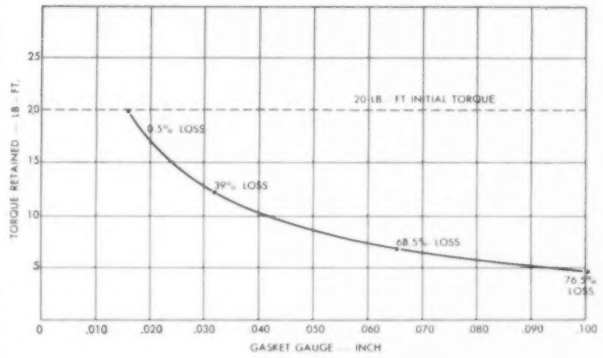
The efficiency of this vapor-tight light fixture was reduced when binder in a conventional plant fiber gasket volatilized and condensed inside globe. The non-extractable binder in N-852 helps eliminate problems of this type.

Accopac N-852 is recommended for any sealing job where glue-glycerine saturated materials are now being used. Typical applications are in caps for gasoline tanks and radiators, master cylinders for brakes, gear case covers, and hand hole covers.

N-852 is one of several cellulose-fiber and asbestos-fiber materials in the Armstrong Accopac line. These materials can be obtained in sheets, rolls, ribbon, or die-cut parts; and they are available (as are all other Armstrong gasket materials) through Armstrong Approved Gasket Fabricators all over the country.

Factors to consider in determining gasket thickness

The thickness of a gasket material can affect its sealability, and this factor should be considered while a joint is in the design stage.



In this test, four gauges of one beater-saturated asbestos fiber gasket material were put in steel flanges and bolts torqued to 20 lb-ft. The flanges were heated at 300° F. for 18 hours, and retained torque was measured while flanges were hot.

A general (but not unqualified) rule is to use the thinnest gasket that will seal the joint. Aside from the obvious benefit of economy, research by Armstrong engineers discloses that thin-gauge gaskets also offer certain mechanical advantages.

One of these is better torque retention. A gasket's ability to retain bolt torque increases as its thickness decreases.

This is illustrated by the curve reproduced above. Note that a gasket .015" thick retains all but ½ of 1% of the initial bolt torque, while a gasket twice as thick retains only 60%. Torque retention decreases further as gasket thickness increases.

Less extrusion is another advantage obtained with thin gaskets. This is particularly true with straight rubber or the harder cork-and-rubber gasket materials.

There are, of course, factors that limit the use of thin gaskets. These stem from such things as non-parallel flanges, or flanges that bend or bow under bolt loads.

For example, if a gasket cannot be compressed more than the cumulative deviations from perfect parallelism of the two flange surfaces, a seal cannot be obtained. Similarly, if the design of the joint permits flange bowing between bolts, leaks will result. In both cases, one remedy is to increase the gasket thickness.

Gasket thickness is only one of many factors in gasket engineering that are under continuous study at the Armstrong Research and Development Center. Much detailed information on this work is contained in the Armstrong Gasket Design Manual. Write for your copy today.

For your copy of the Armstrong Gasket Design Manual, write to Armstrong Cork Company, Industrial Div., 7112 Imperial Avenue, Lancaster, Pa.

Armstrong GASKET MATERIALS

. . . used wherever performance counts

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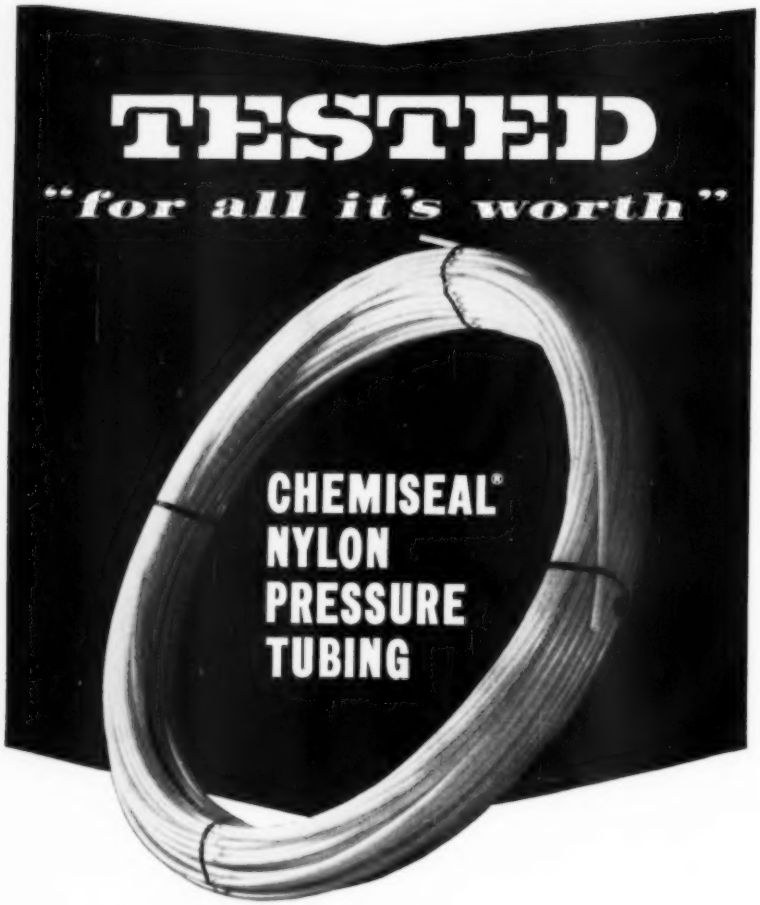

TO GUARANTEE YOU best performance possible, Chemiseal Nylon Pressure Tubing is subjected to severe tests before leaving the factory. For example:

ANVIL IMPACT TEST. This test simulates the mechanical abuse that may accidentally occur in service. Chemiseal Nylon Pressure Tubing is placed on a flat steel anvil. A 16-pound hammer with a striking head of 6" drops freely onto the tubing from a height of 24".

ROLL BEND TEST. This test assures freedom from defects which cause flex fatigue. Tubing is passed around and between two grooved rollers to form an "S" shape. Space between rollers is twice the diameter of the tubing. Tubing is then moved back and forth at a rate of at least 125 f.p.m.

OTHER TESTS, TOO, SHOW the superior features of Chemiseal Nylon Pressure Tubing. It can be bent into any position . . . unaffected by lubricants, alkalies, acids, solvents . . . serviceable from −60°F to +180°F (can be heat stabilized for 300°F). Chemiseal Nylon Pressure Tubing is available for 1000 and 2500 p.s.i., conforming to J.I.C. specifications. Diameters range from ⅛" O.D. to largest size commercially made.

FIND OUT HOW YOU CAN APPLY Chemiseal Pressure Tubing to hydraulic and pneumatic systems, pressure lubrication lines, vacuum system connections. Call your local Garlock representative, or write for Catalog NPT.

United States Gasket

THE GARLOCK PACKING COMPANY, Palmyra, N. Y.

For Prompt Service, contact one of our 26 sales offices and warehouses throughout the U.S. and Canada.

Plastics Division of GARLOCK

(*Continued from page 66*)

In-Line Filter

A new Hydraulic In-Line Filter, applicable for either pressure or suction side of pump, and constructed for thorough protection of hydraulic machinery and oil recirculating equipment has been designed.

According to the manufacturer, the advantage of assembly on either side of the pump is two-fold. First, the filter element is readily accessible for cleaning or replacement. It eliminates the necessity for disassembly and reassembly or draining sump tank. Second, the original piping and maintenance of the hydraulic system is extremely simplified.

Unlike most hydraulic filters with only two ports, one in and one out, the ARROW In-Line Hydraulic Filter has three ports, two in and one out, for convenience and flexibility. An extra port plug is included for closing either port when not used.

Maximum operating pressure is 150 PSIG. *Arrow Tools Inc.*

Circle 45 on postcard for more data

Feedback Servoactuator

A NEW line of electrohydraulic servoactuators, employing mechanical feedback, features a lightweight, compact, simplified configuration.

In these units, the electrical feedback transducer and associated amplifier conventionally used to close the servoloop are eliminated by a simple mechanical feedback arrangement. Feedback of piston position to the armature of the input force motor is accomplished by springs together with a precision motion reductive device. Any error or difference between the input force and the spring feedback force is amplified by a variable orifice hydraulic amplifier. The output of the hydraulic amplifier positions a sliding spool valve which supplies flow to the servopiston. With this mechanical feedback arrangement, the actuator is positioned proportional to the DC input current. *Moog Servocontrols Inc.*

Circle 46 on postcard for more data

New Tool Holders

A NEWLY designed line of tool holders, known as Tru-Grip, include a knee tool, ball bearing stock stop, drill and facer, adapter and adjustable tool holder. Each design is available in three sizes. *Dimension Products*

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Crucible stainless highlights the quality in your product

This is because Crucible precision-rolls stainless to produce finishes of incomparable lustre. Not only that, Crucible methodically checks each heat to ensure uniform physical properties and accurately controls gauge with electronic measuring devices. For stainless in all gauges down to .010″ and in all strip widths, call or write: Crucible Steel Company of America, The Oliver Building, Mellon Square, Pittsburgh 22, Pa.

CRUCIBLE STEEL COMPANY OF AMERICA

CANADIAN DISTRIBUTOR – RAILWAY AND POWER ENGINEERING CORP., LTD.

NATIONAL® OIL SEAL LOGBOOK

Announcing!

NATIONAL UNITSEAL

(TRADEMARK)

Flanges, if desired, are available to simplify positioning and removal

National UNITSEAL has integral wear ring presenting rubber surface to shaft. Wear ring turns with shaft, sealing lip is never exposed to damage, cannot score shaft.

A new unitized oil-seal-and-wear ring that eliminates:

SHAFT WEAR OR SCORING

SEPARATE METAL WEAR SLEEVES

EXPENSIVE SHAFT FINISHES

COSTLY SHAFT RE-MACHINING

SEALING LIP INSTALLATION DAMAGE

SPECIAL INSTALLATION PROCEDURES

New National UNITSEAL is now in production, in a limited range of sizes, for heavy oil and grease sealing applications — including truck, bus and tractor uses. Still newer UNITSEALS are on the way for higher speed automotive and similar uses.

Changing a National UNITSEAL automatically changes the wear sleeve — in one fast operation. Since the seal has its own integral wear ring, it is almost impossible to install it other than squarely on the shaft. Expensive shaft finishing is no longer a necessity, nor is leakage under a metal wear ring a problem—both thanks to the rubber surface UNITSEAL presents to the shaft.

Get complete details today; write direct, or call your National Seal Applications Engineer. He's in the Yellow Pages, under Oil Seals.

NATIONAL SEAL

Division, Federal-Mogul-Bower Bearings, Inc.
General Offices: Redwood City, California
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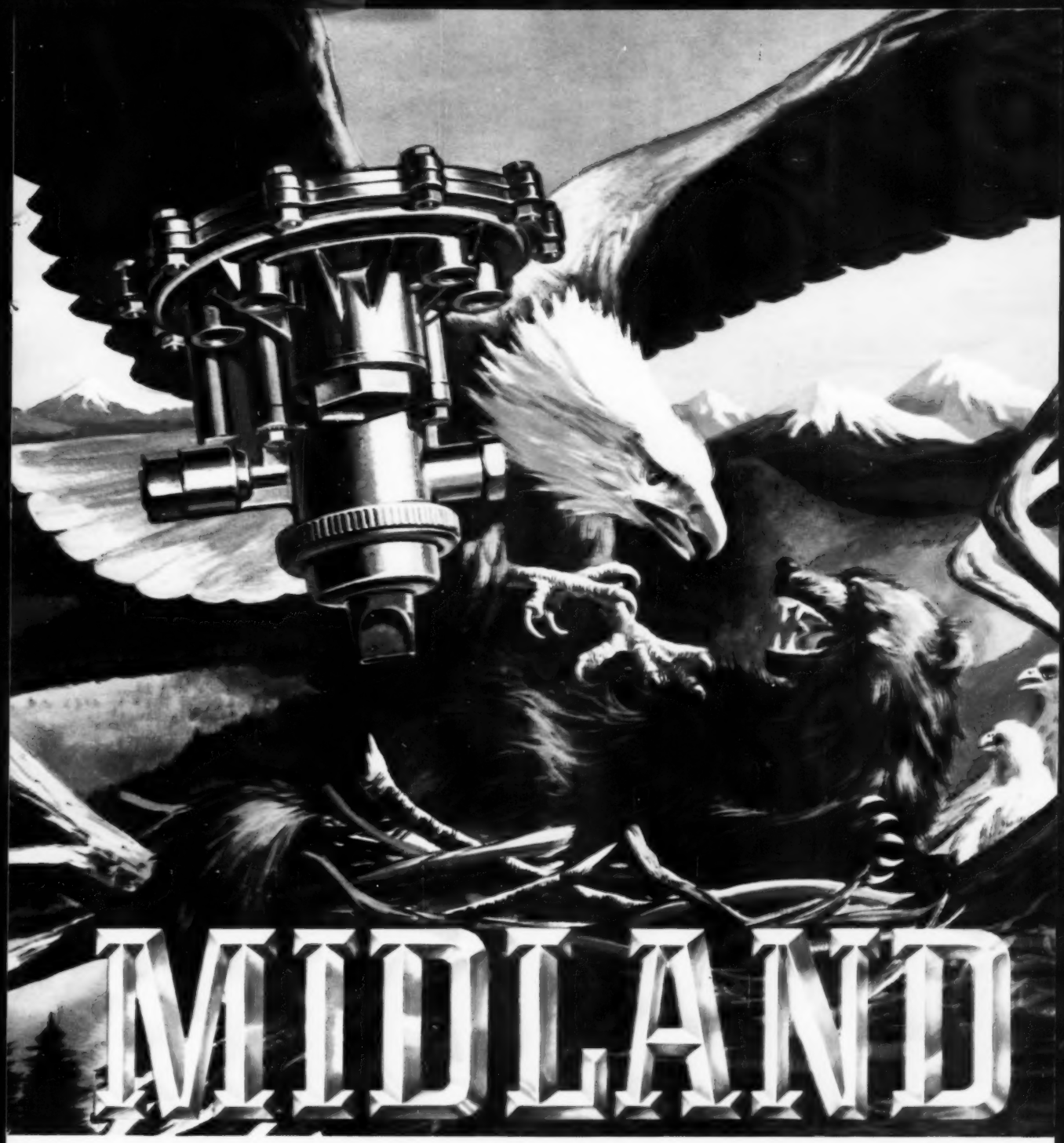

MIDLAND EMERGENCY RELAY VALVE

– Guardian of the Safety of a Nation

Midland products include:

Air brakes for the truck and trailer industry
Vacuum power brakes for the automotive industry
Equipment for the Transit industry
Control devices for the construction industry
Midland Welding Nuts for assembling metal parts

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ONE OF THE "400" LARGEST AMERICAN CORPORATIONS

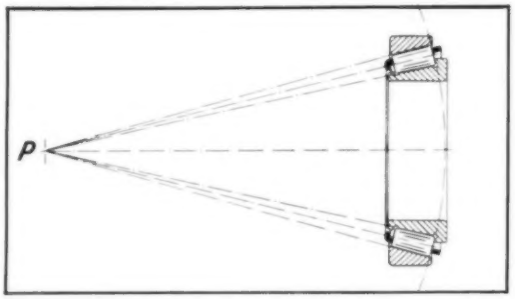
(Advertisement)

BEARING BRIEFINGS

One in a series of technical reports by Bower

SPHERICITY—ESSENTIAL TO MAXIMUM BEARING PERFORMANCE

When you require bearings, we suggest you consider the advantages of Bower bearings. Where product design calls for tapered or cylindrical roller bearings or journal roller assemblies, Bower can provide them in a full range of types and sizes. Bower engineers are always available, should you desire assistance or advice on bearing applications.



True rolling of tapered bearing elements depends upon maintaining a true spherical radius during manufacture.

For a tapered roller bearing to achieve maximum performance, i.e., maximum life and capacity under load, it must have true sphericity — a condition of bearing geometry which permits true rolling of the tapered rollers in the raceway.

True rolling in tapered bearing elements is the result of maintaining a critical geometric relationship between the raceways and the contact surfaces of each roller. True rolling is essential to maximum performance. Without it, premature bearing failure is certain.

As engineers know, a tapered roller will describe a true circle when rolled on a plane surface. *It will always roll in this one path precisely, without sliding or skewing.* But to put true rolling to work in a bearing which can carry both heavy thrust and radial loads, it is essential that the rollers *and* the raceway have a true spherical radius, or sphericity. The drawing illustrates this condition.

If each roller in the bearing were to be extended in length, while retaining its taper, it would form a cone, terminating at point "P". All cones generated from all rollers would meet at point "P", which is also the center of the hypothetical sphere shown. The surface of the sphere would *touch all points on each roller's head!*

In effect, then, each roller's taper determines the radius of a hypothetical sphere whose surface, in turn, determines the correct contour for each roller head. Only when these conditions are satisfied in design, and when they are rigidly held during manufacture, will true rolling take place. In the manufacture of each Bower tapered roller bearing, sphericity is held within extremely narrow limits by means of special Bower-designed precision grinders. The consistent accuracy possible with these machines is one major reason why Bower roller bearings provide maximum performance under all speeds and loads up to the bearing's maximum rating.

BOWER ROLLER BEARINGS

BOWER ROLLER BEARING DIVISION — FEDERAL-MOGUL-BOWER BEARINGS, INC., DETROIT 14, MICHIGAN

News of the MACHINERY INDUSTRIES

(*Continued from page* 60)

and tolerance, there is no question but that it can be successfully done and will eventually result in gratifying returns.

Programs in Effect

"How to Manufacture Abroad" was the theme of a panel discussion by members of machine tool companies. Walter K. Bailey, president of The Warner & Swasey Co., was moderator. Panel members were T. L. Strimple, president, The National Acme Co.; L. W. Scott Alter, president, The American Tool Works Co.; B. F. Olson, president, Sundstrand Corp.; and J. K. Fulks, executive vice-president, Ex-Cell-O Corp.

These gentlemen disclosed the various plans their respective companies have in effect for building machine tools abroad.

Mr. Alter said his company operated abroad on a contract basis wherein an overseas company was given the sales order and handled the actual manufacture of the product. Mr. Strimple stated his company operated abroad using the licensing arrangement. Mr. Olson said his company, with a variety of product, employed three methods—licensing, joint control, and ownership control.

Mr. Fulks stated his company, starting in 1954, bought a subsidiary in England; in 1958 bought a company in Germany; and also has a jointly-owned subsidiary in India. Mr. Bailey advised that his company has a setup, formalized in March of this year, whereby a company was jointly formed in England by his company and an English machine tool builder, each holding half ownership.

While a number of these acquisitions are quite recent, the impression gained was that no one of the arrangements is to be particularly preferred, the choice being largely a matter of judgment

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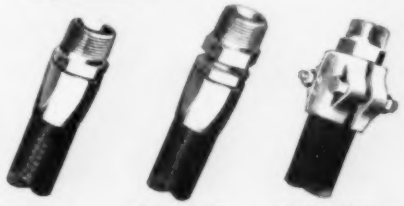
ONE SOURCE . . . ONE QUALITY

the finest in HOSE and HOSE ASSEMBLIES

hose assemblies

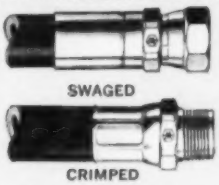
Weatherhead offers a wide selection of hose assemblies, bulk hose, hose ends (both permanently attached and reusable) to meet any and every O.E.M. requirement.

reusable hose ends



STEEL 2-PC. STYLE CLAMP-TYPE

permanently attached hose assemblies



SWAGED CRIMPED

TUBE-HOSE ASSEMBLIES

Weatherhead perfected swaging and crimping machines permit O.E.M. production of quality permanent hose assemblies at low, low cost. Write for information or quotation.

bulk hose

Over 20 different types for every industrial use. Standard hoses listed meet majority of needs.

H-17 (S.A.E. 100R3)

Two-Fibre Braid. Medium Pressure. 560 to 1250 p.s.i. working pressure. ¼" to 1" I.D.

H-69 (S.A.E. 100R5)

One-Wire Braid. Medium High Pressure. 350 to 3000 p.s.i. working pressure. 3/16" to 1-13/16" I.D.

H-9 (S.A.E. 30R2)

One-Fibre Braid. Low Pressure. 300 to 400 p.s.i. working pressure. ¼" to ½" I.D.

H-25 (S.A.E. 100R2)

Two-Wire Braid. High Pressure. 1250 to 5000 p.s.i. ¼" to 1½" I.D.

H-108 (S.A.E. 100R1)

One-Wire Braid. Medium High Pressure. 1250 to 2750 p.s.i. working pressure. ¼" to ¾" I.D.

SIZES: ⅛" to 2" I.D. for PRESSURES up to 10,000 p.s.i.

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as to which best fits the individual situation.

Tax and Legal Aspects

John Sapienza, of Covington & Burling, discussed a number of the tax and legal problems which could be encountered in manufacturing abroad under the various setups — branches, joint partnership, licensing, and subsidiary company.

Essentially, he recommended that thorough consideration be given to such factors as U. S. and foreign taxes, transfer of property, pricing from the anti-trust standpoint, and import licenses. Also to ownership requirements, foreign government controls, among others. And stressed it is highly important that rulings of governmental authorities be obtained beforehand wherever possible — rather than after-the-fact.

1960 Exposition

Donald H. McIver, chairman of the 1960 Machine Tool Exposition Committee, submitted his report on latest developments concerning the Exposition.

He said that 129 members of the Association had signed up for exhibit space, and that, in addition, 29 non-member companies were planning to exhibit.

Registration fee for the Exposition—which is to be held at Chicago's Amphitheatre on September 6-16, 1960—has been established at $3.00 per person. Cost of the exhibit space for members also has been set—at $3.00 per square foot.

The Inquiry Timesaver system, employing in each case a plastic plate bearing the visitor's name, title, company name, and address, will be used to expedite the handling of information requests at the Exposition. Direct mail pieces will be sent industrial executives giving instructions on how these plates can be obtained, as will also publicity material released by the Association.

Mr. McIver also mentioned that an Exhibtor's Manual had been prepared and was in process of being distributed to all exhibitors. Further, that there would be a meeting of exhibitors' representatives at the Chicago Amphitheatre on December 21.

He added that the formal contracts for the Exposition would be mailed during the week following the Annual Meeting — and urged that these contracts be completed and returned promptly to the Association office.

New Officers

During the Annual Meeting, the following were newly elected to office for the Association year 1959-60: **President**—Alan C. Mattison, president of Mattison Machine Works; **First Vice-President**—Everett M. Hicks, vice-president and general manager of Grinding Machine Div., Norton Co.; **Second Vice-President** — Francis J. Trecker, president of Kearney & Trecker Corp.; **Treasurer**—Graham E. Marx, vice-president and general manager of The G. A. Gray Co.; and **Secretary**—Grayson M. Stickell, president and general manager of Landis Machine Co.

New **Directors** elected were Mr.

ROCKFORD

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TRANSMIT GREAT POWER

Compared to previous type clutch facings, Morlife® Clutch facings reduce foot pedal pressure up to 50%. They assure positive engagement—with power-holding grip. Provide a degree of heat resistance and dissipation never before available. They give several times the durability for prolonging clutch life and extend the time between pedal adjustments many times as long. Let ROCKFORD clutch engineers show you how these new advantages will improve the operating ease and prolong the on-the-job life of *your* product.

BW SEND FOR THIS HANDY BULLETIN
Gives dimensions, capacity tables and complete specifications. Suggests typical applications.

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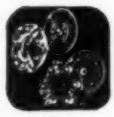

Small Spring Loaded

Heavy Duty Spring Loaded

Automotive Spring Loaded

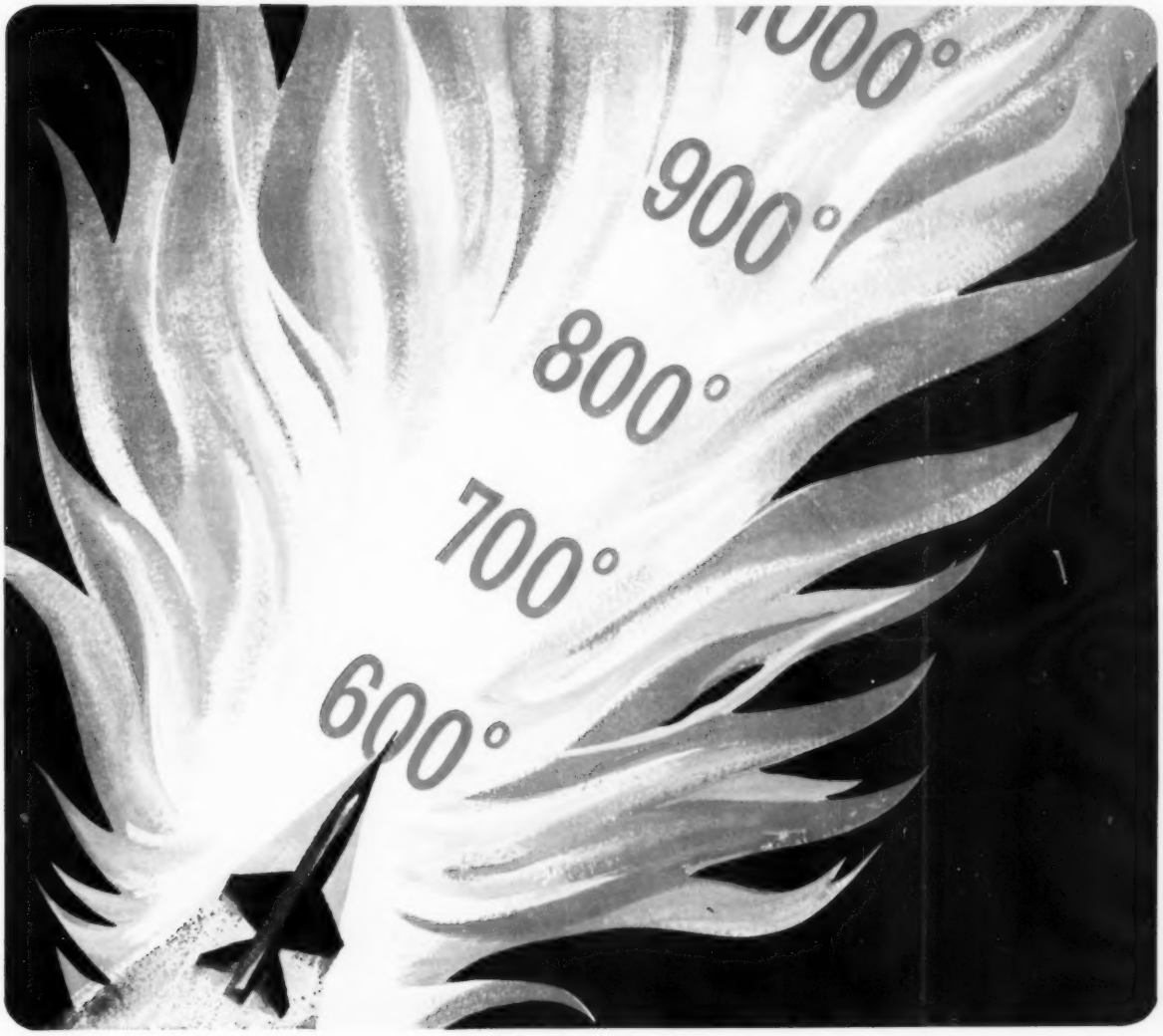
Heavy Duty Over Center

Power Take-Offs

Speed Reducers

CLUTCHES

Experience**—the added alloy in **Allegheny Stainless



Easy-to-form metals with high strength up to 1000 F

AM 350 and AM 355, precipitation hardening stainless steels by Allegheny Ludlum have many advantages for designers of missiles and supersonic aircraft in solving space age problems.

Among their many desirable properties, AM 350 and AM 355 combine high hardness and strength and stability up to 1000 F and yet possess good ductility. They are easy to form in the annealed condition.

They can be spun, drawn, formed, machined and brazed or welded using normal stainless steel procedures.

Both steels have excellent corrosion resistance and good resistance to stress corrosion and oxidation at higher strength levels.

AM 350 is available commercially in sheet, strip, foil, small bars and wire. AM 355, best suited for heavier sections, is available commercially in forgings, forging billets, plates, bars, wire, sheet and strip.

For further information, see your A-L sales engineer or write for the new technical booklet, "AM 350 and AM 355." **Allegheny Ludlum Steel Corporation, Oliver Building, Pittsburgh 22, Pa.**

863

ALLEGHENY LUDLUM

EVERY FORM OF STAINLESS . . . EVERY HELP IN USING IT

Circle 155 on Inquiry Card for more data

Trecker; John F. Herkenhoff, President of The Minster Machine Co.; and Hayward A. Gay, vice-president of The Cincinnati Milling Machine Co.

Ludlow King was re-elected **Executive Vice-President** of the Association.

Machine Tool Sales Advance in October

October's net new orders for machine tools, with a preliminary total of $67.15 million, hit a new "high" for the year. The "peak" was largely accounted for by unusually heavy bookings for forming-type machines — which more than doubled the monthly average for prior months of 1959.

Make-up of the $67.15-million October total is $43.65 million for metal-cutting-type machines and $23.5 million for forming-type machines. In October, 1958, the relative figures were $28.45 million and $8.55 million, for a total of $37 million.

The October net order volume of metal-cutting machines at $43.65 million actually represented a drop of $4.05 million from September's $47.7 million. However, it exceeded the first nine months' 1959 average figure of about $42 million.

On shipments, October was likewise the "high" for 1959, with an estimated volume of $52.25 million —contrasted to $41.4 million in October, 1958, and $46.15 million in September 1959. Shipments of both metal-cutting and forming-type machines were up in October.

The statistics released by the National Machine Tool Builders' Association also indicate that the estimated order backlog as of November 1 was 5.1 months, compared to 3.1 months at the beginning of the year.

Around the Industry

F. Jos. Lamb Co.—announces a new addition to its plant which will more than double assembly area for production of large special and transfer-type machines.

Lapointe Machine Tool Co.—has formed a subsidiary firm, Lapointe Machine Co., which will handle the sale and service in this country of five British lines of machine tools. The lines are Churchill surface and internal grinders; Lang surfacing, boring, profiling and screw-cutting lathes; Ward ram type and combination turret lathes; Parkson milling machines and gear planers; and Butler planers, shapers, and slotters.

Buckeye Tools Corp.—has established a new Detroit office at 17311 W. Seven Mile Road, under the direction of Hugh H. Harris, national automotive specialist.

Monarch Machine Tool Co.—Kermit Kuck has been elevated to executive vice-president.

Verson Allsteel Press Co.—John Powers has been made manufacturing manager; and Daniel J. De Carlo named manager, Contract Div. Harry L. Reynolds has been appointed vice-president and district manager of a new district sales office which will serve the State of Wisconsin. The office will be located at 7015 West North Ave., Wauwatosa, Wis.

(*Turn to page* 88, *please*)

MOLINE

FOR GREATER | PRODUCTION • EFFICIENCY • SAVINGS

Use rugged, reliable "Hole Hog" machine tools for such jobs as:

- Multi-Spindle Boring
- Single and Multi-Spindle Honing
- Straight Line Multi-Drilling
- Adjustable Spindle Drilling
- Vertical and Way-Type Fixed Center Drilling, Boring and Tapping
- Special Multiple Operation Machine Tools

Over 58 years of Machine Tool Engineering experience is at your service. Tell us your particular problem.

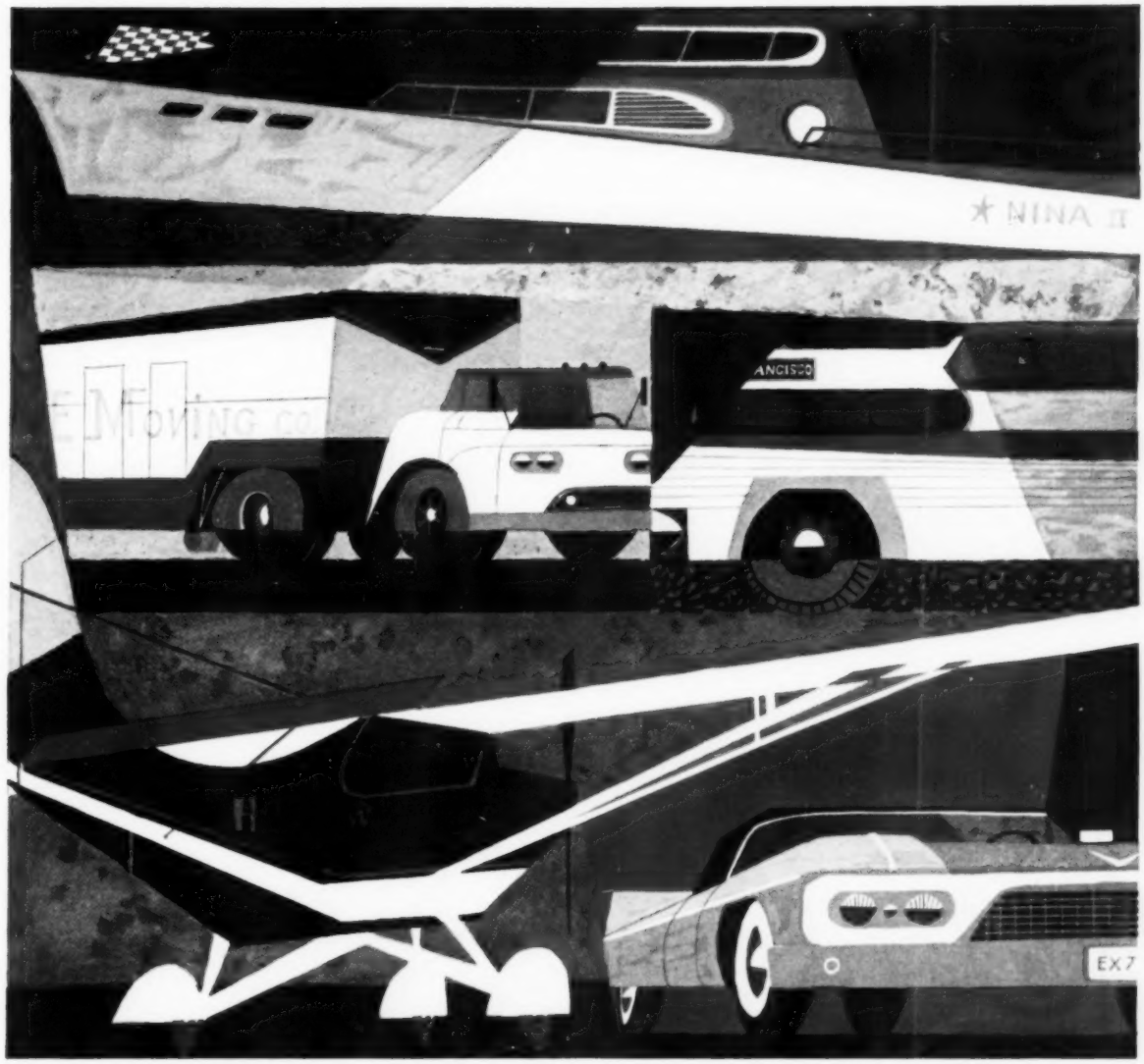
112

Twenty-Station, Ten-Unit Transfer Machine for boring, counterboring, chamfering and valve clearance operations on V-8 automotive engine blocks. (Shown above)

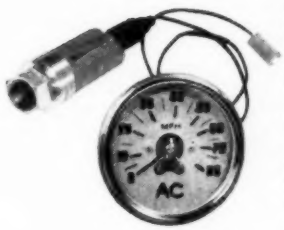
MOLINE TOOL CO. MOLINE, ILLINOIS

MOLINE TOOL COMPANY
100 20TH STREET • MOLINE, ILLINOIS

REPRESENTATIVES IN PRINCIPAL CITIES



SPEED INDICATION PROBLEMS? SEE AC!



AC Permanent Magnet Generator—new lightweight, one wire compact design for superior speed indication performance.

AC is long-experienced in the field of speedometers and tachometers—and the flexible shafts and sending units which transmit and translate the speed of a rotating shaft to a distant indicating dial. And AC Engineers continually work to improve and simplify these instruments—so vital to the safe and economical operation of all vehicles.

The AC *Permanent Magnet Generator* is an improved and simplified sending unit for electric speedometers and tachometers.

This all-new unit is lighter than conventional designs (9 ounces) and it's smaller (4″ long x 1.62″ diameter) making it ideal for installations where space is at a premium and reliability a necessity. It uses one wire, making for easier installation. And it offers greater accuracy and longer life: It has no brushes; coil is potted in the housing for protection against vibration and corrosion; two oil impregnated bearings assure long operational service. Best of all, this new unit costs up to 50% less than conventional units.

The AC Permanent Magnet Generator provides a new, better solution to speed indication problems on buses, aircraft, trucks, stationary engines, and gasoline, diesel or steam watercraft.

If you have a speed indication problem or want to know more about the AC Permanent Magnet Generator, contact any of the AC offices listed below. This unit is for original equipment usage only.

AC Reliable Products Help You Sell

AC SPARK PLUG ⚛ THE ELECTRONICS DIVISION OF GENERAL MOTORS

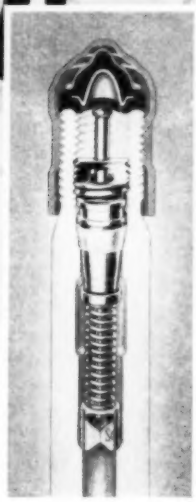
FLINT—1300 North Dort Highway, CEdar 4-5611 | **CHICAGO**—7074 North Western Avenue, RDgers Park 4-9700 | **DETROIT**—General Motors Bldg., TRinity 5-9197 | **LOS ANGELES**—7666 Telegraph Rd., RAymond 3-5171 | **PHILADELPHIA**—7 Bala Ave., MOhawk 4-9722

AC Presents the Art Carney Show, NBC, January 8

Circle 157 on Inquiry Card for more data

The American Automotive Industry—the world's

Tire valves to match

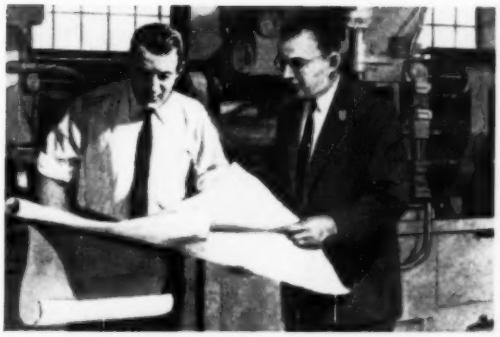


AIR CONTROL Since 1844

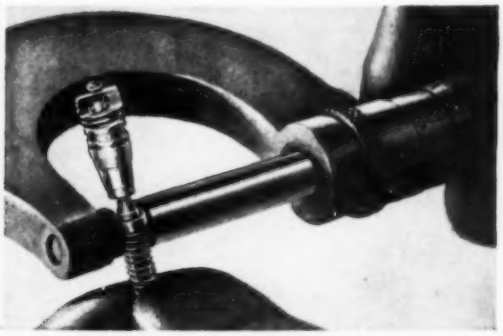
SCHRADER'S HISTORY of good valve design goes back more than a century. The valve core known throughout the world as the Ace of Standardization is an industry design triumph.

greatest enterprise—depends on tire accomplishments

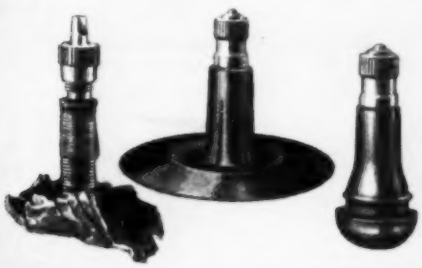
tomorrow's tires are being designed today



BEHIND GOOD DESIGN must be good facilities. Schrader's modern machines and trained personnel produce quality valves to meet industry schedules.



MACHINING IN MINIATURE is a Schrader engineering specialty. Containment of air involves extremely close tolerances in every mass-produced part.



SCHRADER VALVE CORES of 1898 fit valve housings of today with equal facility! This is the only example of world-wide standardization.

MUTUAL BENEFITS ACCRUE not only to the Automotive, Tire and Tire Valve Industries when they cooperate but to every person who rides on tires anywhere.

It just didn't happen that dependable tire and air service are taken for granted throughout the world. Many decades of cooperative design time on the part of the Automotive, Tire and Tire Valve Industries were necessary to reach our present standard . . . years in advance.

The basic fact is that nothing is too small or too large to claim the experienced attention of engineers designing all the component parts. Schrader design experts, for example, are already studying valve requirements with tire and vehicle designers and are at work on valves that will be equipment on tomorrow's vehicles.

Depend on Schrader design, production and distribution to match tire and vehicle performance anywhere throughout the world.

A. SCHRADER'S SON • BROOKLYN 38, N. Y.
Division of Scovill Manufacturing Company, Inc.

Schrader®
a division of SCOVILL

FIRST NAME IN TIRE VALVES
FOR ORIGINAL EQUIPMENT AND REPLACEMENT

Circle 159 on Inquiry Card for more data

News of the Machinery Industries

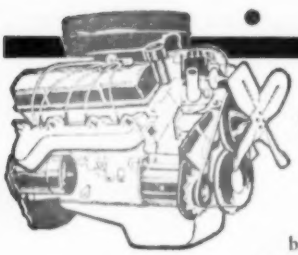
(*Continued from page* 84)

An order for 41 presses has been placed with E. W. Bliss Co., for a total value approximating $5 million. The customer, according to reports, is Fisher Body Div., General Motors Corp. Delivery is timed for use on 1961 model body stampings.

The machines ordered consist of 21 straight-side "rolling-bolster" presses, 18 cloverleaf welding presses, and 2 blanking presses.

Three new stamping lines will be set up with the 21 straight-side presses. Each of these lines will have a double-action draw press, a single-action spanking press, and five secondary-operation presses. Capacity of individual presses is said to be close to 800 tons. ■

JOHNSON *tappets*



**for all engine applications*

All of the engineering and manufacturing effort at Johnson Products goes into producing a better tappet. Continual experimentation and exacting quality control make JOHNSON TAPPETS worthy of your consideration. Only proven materials, covering a range of hardenable iron, steel, and chilled iron of various alloys, are used in JOHNSON TAPPETS. These tappets are successfully used in jobs ranging from light duty to the most severe, punishing applications. Serving all industry that employs internal combustion engines.

Johnson TAPPETS

"tappets are our business"

JOHNSON JP PRODUCTS inc.

MUSKEGON, MICHIGAN

Selling to Ford Motor Co.

(*Continued from page* 52)

successfully, the buyer must first consider the blueprints and specifications. It may be necessary for him to discuss this data with technical people in the requisitioning activity.

Sources Studied

Next, he must consider the sources available or locate suppliers capable of producing to Ford's specifications. This may call for industry or product studies and may result in questions and requests to suppliers for additional information. On new sources, the buyer must review carefully all available information and be satisfied with the financial responsibility of the supplier. To assist him in this specialized area, he has the resources of the Ford treasurer's office, and the regular and special services of credit agencies.

Adequacy of physical facilities is a very crucial area of review for Ford buyers. This may require visits by qualified technicians and call for questions on such items as the suppliers production schedules and plans for future facilities. Production "know-how" and management integrity must be evaluated. Here the supplier's reputation in his own industry and record of performance become important items to consider.

Having assured himself of many of the supplier's capabilities, the buyer must check to find whether or not the supplier is competitive in still another aspect—price. To do this, he normally solicits quotations from three or more qualified suppliers. To assist in evaluating the level of quoted prices, Ford buyers have "target" prices established with the assistance of technical experts in the purchase analysis departments. To select the best supplier becomes a problem of weighing and integrating all this information to the end that Ford requirements will be met. The supplier who can "most effectively meet our needs, will be selected."

Circle 160 on Inquiry Card for more data

Circle 161 on Inquiry Card for more data ——→

For new design flexibility . . . beauty . . . long life!

SPECIFY SHARON STAINLESS

Sharon Stainless Steels have proved through use to be of consistent high quality, uniform, bright and smooth with a dense finish. For both interior and exterior fittings you will find Sharon can supply your need exactly with the tolerance, drawing ability and finish your product requires for greatest appeal and durability.

Consider too, Sharonart*, Sharon Steel's exciting new rolled-in surface patterned steel—opening a new breadth of design flexibility for the automotive designer. Sharonart*, made of stainless steel will reflect an infinite variety of color and texture combinations. Many beautiful patterns available.

For the stainless you need to make your product better—get in touch with your Sharon representative—or write us direct. **Sharon Steel Corporation, Sharon, Pa.**

SHARON *Quality* **STEEL** SHARONSTEEL

More Government Contract Awards

LATEST contracts awarded by various Government agencies, and covering primarily automotive and aviation products, are listed in the following. Typical of the items contained in these monthly listings are: passenger cars, motor trucks, aircraft, military tanks, engines, transmissions, other components, spare parts, plant equipment, etc. This list is for the period Oct. 30th to Dec. 1st, inclusive.

AMERICAN MOTORS CORP., Detroit, Mich.
Automobile, sedan, light, 4 door—$30,648

BAKER INDUSTRIAL TRUCKS, DIV. OF OTIS ELEVATOR CO., Cleveland, Ohio
Truck, lift, 13 ea—$87,639

CLARK CABLE CORP., Cleveland, Ohio
Light, warning, vehicular, 500 ea—$33,000

CLARK CABLE CORP, Cleveland, Ohio
Spare parts, semitrailers, towing tractors—$36,575

CONTINENTAL MOTORS CORP., Muskegon, Mich.
Crankcase, engine—$205,357

CONTINENTAL MOTORS CORP., Muskegon, Mich.
Replacement spare parts, fire trucks—$53,525

DIAMOND MACHINE TOOL CORP., Pico-Rivera, Calif.
Shearing machine, 2 ea—$25,484

DOUGLAS AIRCRAFT CO., INC., El Segundo, Calif.
Airplanes—$58,816,010

DOUGLAS AIRCRAFT CO., INC., Santa Monica, Calif.
Launching area items—$28,182

FWD CORP., Clintonville, Wis.
Miscellaneous automotive spare parts—$29,414

G. FELSENTHAL & SONS, INC., Chicago, Ill.
Aircraft cruise control devices—$50,000

FIRESTONE TIRE & RUBBER CO., Los Angeles, Calif.
Modification of guided missile—$29,680

FIRESTONE TIRE & RUBBER CO., Akron, Ohio
Tires, 1,881 ea—$509,810

FRUEHAUF TRAILER CO., Detroit, Mich.
Chassis, trailer—$459,831

GARRETT CORP., AIRESEARCH MANUFACTURING CO., OF ARIZONA DIV., Phoenix, Ariz.
Starters, aircraft engine, 388 ea—$527,100

GENERAL MOTORS CORP., AC SPARK PLUG DIV., Flint, Mich.
Spare parts, aircraft—$324,988

GENERAL MOTORS CORP, AC SPARK PLUG DIV., Flint, Mich
Spark plugs—$144,091

GENERAL TIRE & RUBBER CO., Akron, Ohio
Tires, 4,852 ea—$494,467

B. F. GOODRICH AVIATION CO., PRODUCTS DIV., Akron, Ohio
Tires, 7,233 ea—$502,897

GOODYEAR TIRE & RUBBER CO., Akron, Ohio
Tires, 3,508 ea—$491,442

HOLLEY CARBURETOR CO., Warren, Mich.
Carburetor assy, float—$40,723

HUGHES AIRCRAFT CO., Culver City, Calif.
Fire control system—$1,250,000

ISAACSON IRON WORKS, Seattle, Wash.
Steel—$27,470

JEBCO, INC., Jonesboro, Ga.
Muffler, exhaust engine, 757 ea—$35,957

KOLLSMAN INSTRUMENT CORP., Elmhurst, N. Y.
Spare parts, aircraft—$61,581

KURT ORBAN CO., INC., Jersey City, N. J.
Lathe, 4 ea—$31,032

LINK AVIATION, INC., Binghamton, N. Y.
Simulators, spare parts, ground support equipment, 35 ea—$1,300,000

MARTIN CO., Orlando, Fla.
Lacrosse missile—$80,900

REYNOLDS METALS CO., Richmond, Va.
Aluminum alloy sheet, 69,627 ea—$42,415

SCHENULT RUBBER CO., Baltimore, Md.
Tires, 4,894 ea—$432,239

SUNDSTRAND CORP., SUNDSTRAND AVIATION DIV., Rockford, Ill.
Transmissions—$189,278

SUNDSTRAND CORP., SUNDSTRAND AVIATION DIV., Rockford, Ill.
Transmission assys, 31 ea—$248,000

UNITED AIRCRAFT PRODUCTS, INC., Dayton, Ohio
Spare parts, aircraft—$32,285

UNITED STATES RUBBER CO., Detroit, Mich.
Tires, 4,708 ea—$491,779

WARD LA FRANCE TRUCK CORP., Elmira, N. Y.
Transmission, 100 ea—$68,348

WESTERN ELECTRIC CO., INC., New York, N. Y.
NIKE spare parts & components—$80,333

WESTERN GEAR CORP., PRECISION PRODUCTS DIV., Lynwood, Calif.
Engine, aircraft, 26 ea—$28,373

STOP! Save up to 90%

ON STEEL BLANKING DIES

FOR SHEARING, BLANKING, PUNCHING MAKE STEEL RULE DIES, FASTER, BETTER, CHEAPER WITH RICHARDS INDUSTRIAL STEEL RULE DIE-MAKING EQUIPMENT!

You save up to 90% in time and costs when you make steel rule dies in your own plant! Production costs and waiting time go down when *Richards Equipment* goes to work for you! More and more progressive manufacturers are turning to steel rule dies for faster, higher-profit work on all types and gauges of metal.

Richard's fifty years of experience as pioneer manufacturers of steel rule die-making equipment and supplies provides you with a complete service. Write today for full details on *Richards "Multiform"* Heavy Duty Benders and Cutters and *"Electromatic"* Precision Die Saws.

"ELECTROMATIC" SUPER DIE SAW 42" x 52" TABLE, 30" JIG THROAT. BUILT IN FOUR SIZES: 24", 30", 50", 74" THROAT
"ATLAS" STRAIGHT STEEL RULE CUTTING MACHINE No. 3ACS.
"MULTIFORM" HEAVY DUTY BENDER No. 4HDC. PRODUCES AN INFINITE VARIETY OF BENDS USING ONE SET OF STANDARD TOOLS.
WRITE TODAY! WE'LL SHOW YOU WHAT RICHARDS EQUIPMENT CAN DO FOR YOU!

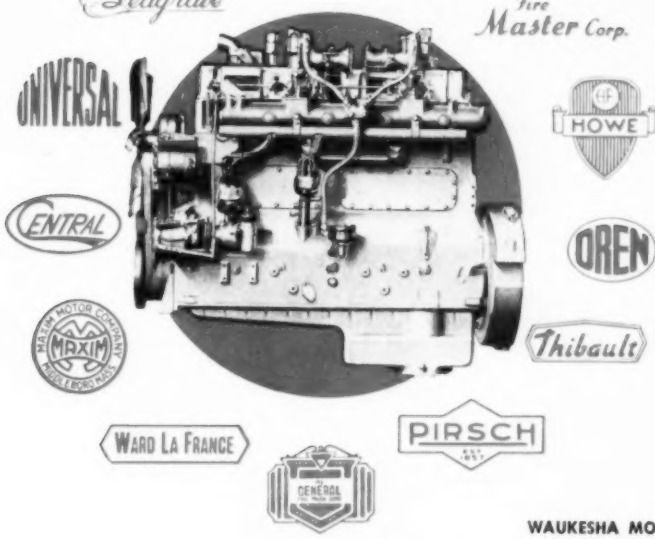
Multiform BENDERS

HAND, AIR, HYDRAULIC—20 MODELS
SPECIAL PURPOSE MODELS TO ORDER

ELIMINATE SPECIAL TOOLING COSTS! REDUCE SET UP TIME . . . BOOST PRODUCTION!

J. A. RICHARDS CO., KALAMAZOO, MICH.

FIRST
in fire fighting



FWD

Seagrave

Fire Master Corp.

UNIVERSAL

CENTRAL

MAXIM MOTOR COMPANY MIDDLEBORO, MASS.

WARD LA FRANCE

GENERAL

PIRSCH

HOWE

OREN

Thibault

Model 145-GZB—300 hp range
High-Output Fire Fighter—

Six cylinders, 5⅜-in. bore x 6-in. stroke; 817 cu. in. displ., with counterbalanced and vibration dampened 3½-in. 7-bearing crankshaft; dual downdraft carburetion; dual ignition; precision extra high capacity bearings; removable wet type cylinder sleeves, aluminum pistons, overhead valves with Stellite-faced exhaust valves and seats. Arranged for full electrical equipment and all modern accessories. Get Bulletin 1662.

WAUKESHA MOTOR COMPANY, WAUKESHA, WISCONSIN
New York • Tulsa • Los Angeles
Factories at Waukesha, Wis., and Clinton, Iowa

439-R-1

WAUKESHA *fire fighter* **ENGINES**

Circle 163 on Inquiry Card for more data

ON OUR WASHINGTON WIRE

Unless the Washington tide, which is now running against the steel industry, changes soon, the steel companies have lost their valiant battle against the two greatest industrial aggressors of modern times — inflation and featherbedding.

Slowly but surely, the steel strike is heading toward a Government-dictated settlement.

Washington's announced reason for intervening is the danger of falling behind in defense production. But the bigger reason is the fear of political adversities in 1960 because of lost pay, sluggish sales, and sagging economic activity on a nationwide scale.

Republicans, faced with the difficult and expensive job of trying to keep control of the White House, plus the uphill fight to try to regain control of the Congress, are anxious to avoid—at almost any cost—anything resembling a depression or a recession in 1960.

Current tax revision hearings in Congress are likely to produce more tax increases than cuts. Study was officially designed to close "loopholes." But sentiment within the House Ways and Means Committee is being pushed toward eliminating many tax exemptions, as well as correcting shortcomings in present laws which permit a few taxpayers to dodge their fair share. Corporate tax deductions are likely to feel the strongest bite from the hearings.

It's getting tougher to persuade good men to take top Washington jobs. Rep. Chet Holifield, D., Calif., made it still tougher recently when he called for a congressional investigation of Dr. Charles I. L. Critchfield, who hadn't reported for work yet.

Rep. Holifield objected to Dr. Critchfield serving without pay as director of the Advanced Research Projects Agency while on leave from his $40,000-a-year job with the Convair Div. of General Dynamics. Possible conflict of interest, the congressman claimed.

Dr. Critchfield said he didn't intend to take on a back-breaking job and a lot of abuse from congressmen, too. So he notified the Pentagon that he would not show up for his new job.

The Secretary of Defense is authorized to hire not more than 10 persons, top people from industry to serve without Government pay. This permits Washington to attract top men who can continue to draw upper-bracket salaries from their companies.

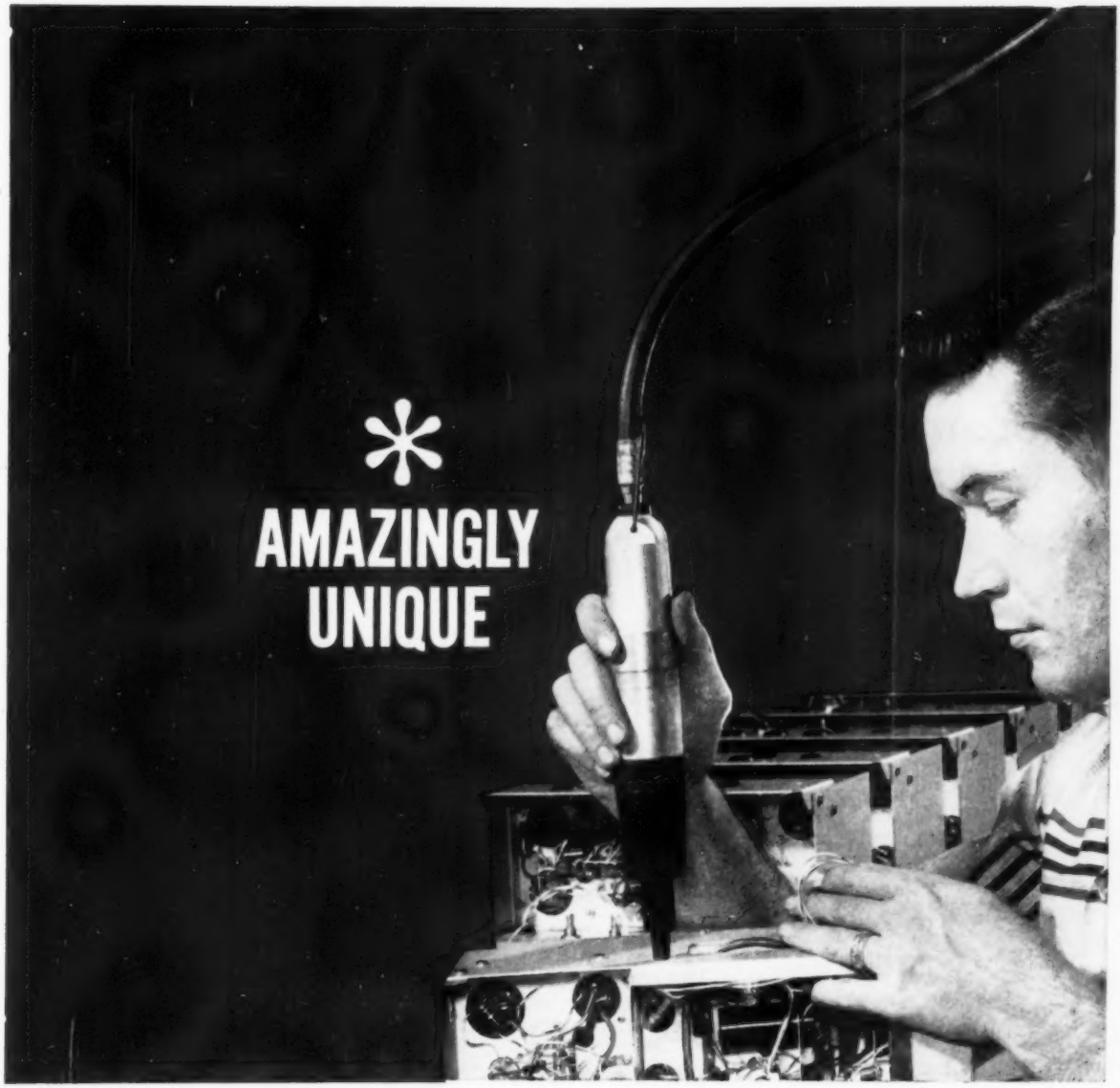
Nothing is gained by barring shipment of machinery and other strategic goods to the U.S.S.R., an Oregon University professor tells a Senate-House committee.

New COOLTEX lets you see the work

If you like to see what you're doing, take a look *through* Cooltex (it's transparent!). Ask your local Texaco Lubrication Engineer about the other big advantages, too. Texaco Inc., 135 East 42nd Street, New York 17, N.Y.

TEXACO

Throughout the United States
Canada • Latin America • West Africa



***Clecomatic stands alone as the only automatic start and stop screwdriver-nut runner with positive torque control**

No throttle, no stalling! Clecomatic starts and stops automatically while maintaining positive torque control. An exclusive Cleco mechanism starts the Clecomatic when the bit engages the screw or nut, then shuts it off when the screw is tightened to precise, preset torque specifications.

The Clecomatic air motor operates only during actual rundown, less air is required per job and tool wear is greatly decreased. Clecomatic is lightweight and midnight quiet, helps reduce operator fatigue, helps increase operator productivity. No other air tool offers such outstanding production efficiency and economy.

Write today for detailed literature, or call your Cleco representative for a Clecomatic application tryout. Clecomatic is available in reversible and non-reversible models in both pistol grip and straight back heads.

* Trademark

CLECO AIR TOOLS

DIVISION OF REED ROLLER BIT COMPANY
P. O. Box 2119 • Houston 1, Texas, U.S.A.
In Canada: Cleco Pneumatic Tool Company of Canada, Ltd., 927 Millwood Road, Leaside (Toronto), Ontario

Circle 165 on Inquiry Card for more data

COST-CUTTING PRODUCTION TEAM

The two-way answer to assembly problems

Here's a combination that slashes production costs and gets rid of assembly problems in a hurry—Milford Tubular Rivets made to high quality standards to assure a better finished product for you . . . Milford Automatic Riveters that can be quickly adapted to your particular assembly needs.

For the answers to assembly problems *. . . get in touch with Milford first.*

THE MILFORD RIVET & MACHINE CO.

MILFORD, CONNECTICUT • HATBORO, PENNA.
ELYRIA, OHIO • AURORA, ILL. • NORWALK, CALIF.

Circle 166 on Inquiry Card for more data

SHORTIES

The black silicone-type paint on the X-15 experimental plane can withstand temperatures of 1000 degrees for short periods of time.

•

Defense Dept. reports that the obligational program (new orders) for all missile systems will decline $395 million in Fiscal Year 1960, compared with Fiscal Year 1959. The total in FY 1960 is estimated at $6,817 million with $7,212 million scheduled to be obligated in FY 1959.

•

Over two billion tons of steel have been produced in this country since 1934.

•

The steel industry spent nearly $14.8 billion for capital improvements in the period 1934-58.

•

The nation's steel industry imports alloying elements from 45 countries.

•

Three major industries account for 80 per cent of total missile industry employment—aircraft and parts, 39 per cent; ordnance, 21 per cent; and electrical equipment and supplies, 18 per cent.

•

Most of the increase in missile employment has come in the aircraft industry. Employment in 1958 totaled 750,000, of which 125,000 worked on missiles.

•

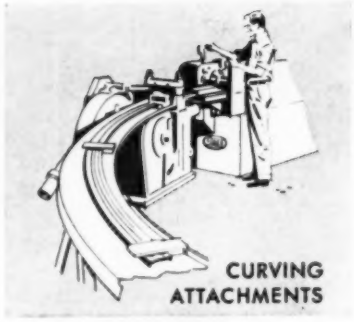
Since 1934, total employment in the steel industry rose over 48 per cent.

•

The steel industry's net profit averaged 6 cents per dollar since 1935.

•

Some 20 per cent of the total land area of the U. S.—more than



YODER COLD ROLL-FORMING EQUIPMENT

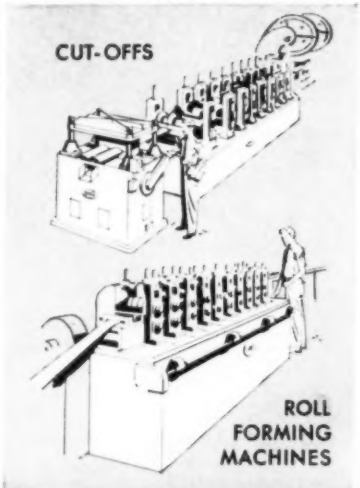
for profitable mass production

High speed, YODER Cold Roll-Forming machines are the most economical method for mass producing structural or ornamental shapes. One machine with one operator can form up to 40,000 feet of shapes per day. Even on a part-time basis, a YODER Cold Roll-Forming machine can prove to be a profitable investment.

YODER flexibility works for you too, curving, coiling, ring forming, multiple roll-forming and embossing—on a wide variety of metals—can be incorporated into your production line. Practical, YODER-engineered design minimizes maintenance and downtime . . . assures uniformity, accuracy and reliability of your end product.

In addition to Roll-Forming machinery, YODER also makes a full line of Rotary Slitting equipment, Pipe and Tube mills. Send for the fully descriptive Cold Roll-Forming Book.

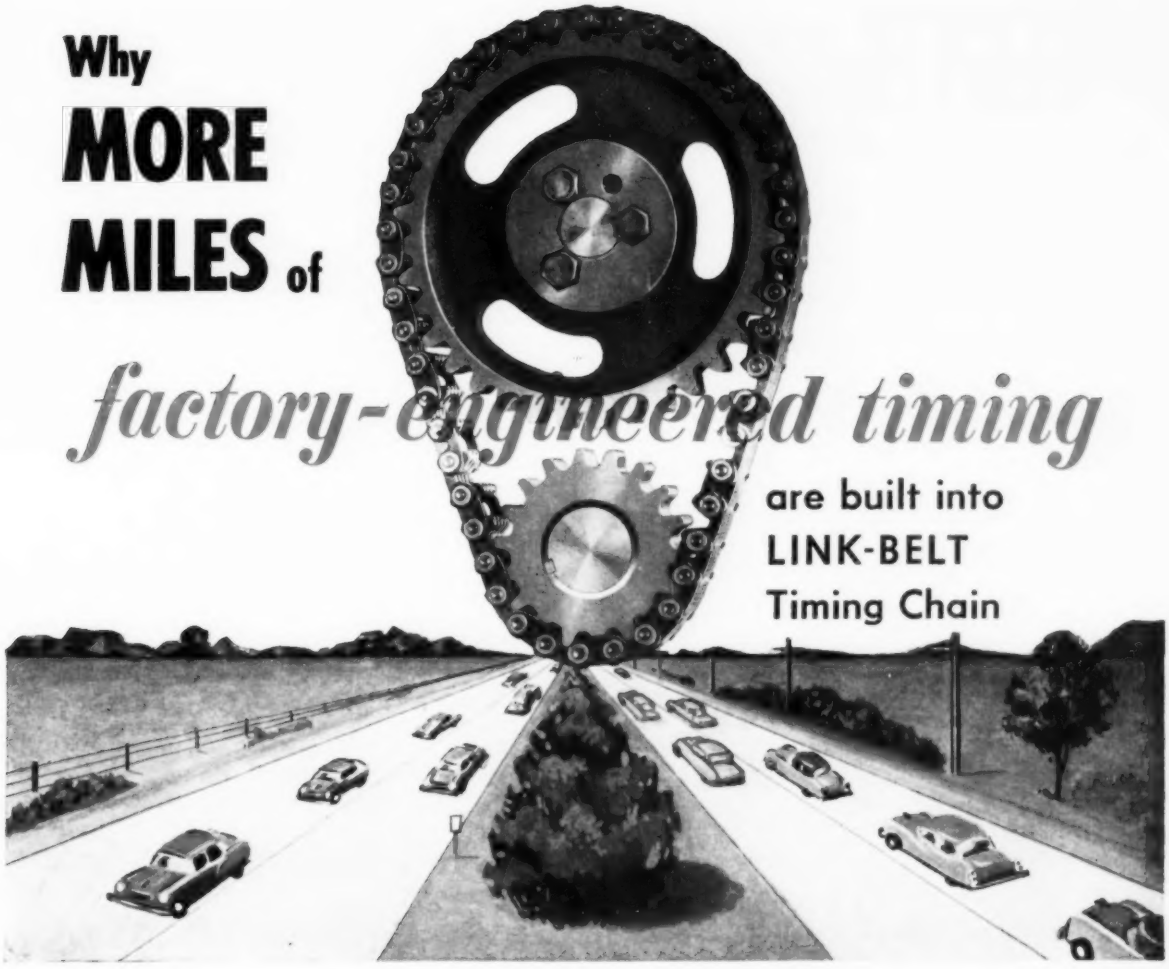
THE YODER COMPANY
5553 Walworth Ave. • Cleveland 2, Ohio



ENGINEERING YODER MANUFACTURING **COLD ROLL FORMING MACHINES**

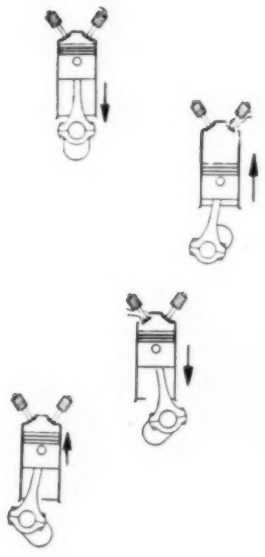
Circle 167 on Inquiry Card for more data

Why MORE MILES of *factory-engineered timing*



are built into LINK-BELT Timing Chain

Wear compensation joint maintains peak performance longer



HERE's why factory-fine valve timing lasts longer with Link-Belt Timing Chain. Adding to the benefits of segmental bushings — which automatically provide snug joints and reduce "slap" on the non-load side — Link-Belt's built-in check in joints allows forward articulation for sprocket engagement but reduces back-bend and whip to a minimum.

In 45 years of timing chain application experience, Link-Belt has developed many "firsts" — including the space-saving $\frac{11}{16}$-in. used by major auto makers since 1949. For full details including data you need for layout work—write for Book 2065.

LINK-BELT

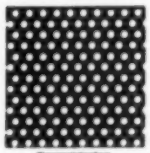
THE SYMBOL OF QUALITY · LINK-BELT · LB

TIMING CHAIN AND SPROCKETS

LINK-BELT COMPANY: 220 South Belmont Ave., Indianapolis 6, Ind.

LET H&K PERFORATED MATERIALS

put personality into your products

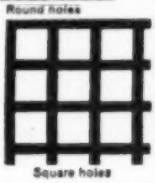


Round holes

Whenever—wherever—your products require perforated materials, you will find the pattern and open area "just right" for that custom-look in the vast selection of H & K existing dies.

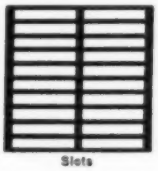
Modern facilities and H & K experienced craftsmanship, enable the perforating of practically all metals, wood, compositions and plastic. Perforated materials can be furnished in sheets, coils, rolls or plates. Fabricating services include shearing, rolling, welding and forming.

Illustrations shown in reduced size

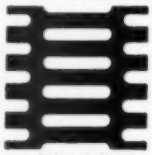


Square holes

Herringbones



Slots



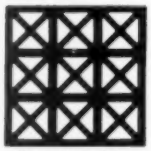
Oblong holes

Functional or Decorative Uses

H & K fills every need for perforated materials. Appropriate perforated metals can be ordered with color anodized, brushed and lacquered, painted, chrome plated, baked-on, or other special finishes.

Many patterns in steel sheets (industrial or decorative) are in stock at our warehouses. Send for H & K Stock List Brochure.

Write for General Catalog No. 75, Today!



Decorative patterns

THE Harrington & King PERFORATING CO. INC.

Chicago Office and Warehouse • *New York Office and Warehouse*

5630 Fillmore Street, Chicago 44, Illinois — 106 Liberty Street, New York, New York

FIND NEAREST H&K AGENT in the Yellow Pages

Listed Under "Perforated Metals"

Circle 169 on Inquiry Card for more data

382 million acres—was either producing or under lease for oil and gas as of January 1, 1959.

•

A five-year statistical survey shows that U. S. scheduled airline travel is more than six times safer than traveling by car.

•

Business flying accounted for nearly half of the 11.5 million hours flown in 1958 by general aviation, which includes all civil flying except the scheduled airlines.

•

Radars as large as a football field have been developed to detect ballistic missiles 3000 miles away.

•

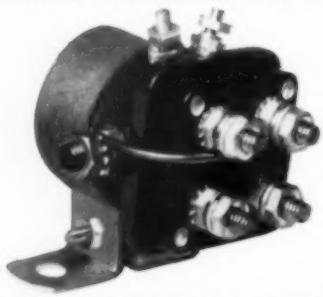
A rocket-powered sled has reached a speed of more than 2½ times the speed of sound—430 mph faster than the muzzle velocity of a high-powered rifle.

•

The nation's steel companies are owned by over 1 million stockholders.

ORPIN

Series-Parallel Switch



12 VOLT STARTING POWER for 6 Volt systems

24 VOLT STARTING POWER for 12 Volt systems

For further information contact:

Automatic Battery Company of America
132 S. Center Street
Goldsboro, North Carolina, U.S.A.

Circle 170 on Inquiry Card for more data

Quantity PRODUCTION *of* GREY IRON CASTINGS

ONE OF THE NATION'S LARGEST AND MOST MODERN PRODUCTION FOUNDRIES

ESTABLISHED 1866

THE WHELAND COMPANY
FOUNDRY DIVISION

MAIN OFFICE AND MANUFACTURING PLANTS
CHATTANOOGA 2, TENNESSEE

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The Prime Mover Company, manufacturer of materials handling equipment, says:

Our "Prime Movers" give these 6 parts a terrific beating...that's why they're made of LaSalle

Engineers of the Prime Mover Company, Muscatine, Iowa, demanded the most dependable steel bars available for six important parts of their transmission assembly. Here are some of the reasons they specified STRESSPROOF!

You don't have to heat treat STRESSPROOF! There's no heat treat distortion.

STRESSPROOF is strong . . . 100,000 psi.

It machines faster . . . at 83% the speed of B1112.

It wears better without case hardening . . . replacing .40 carbon alloy steels and other heat treated and alloy steels, such as 8640, 4140, C1045, C1141, and C1137.

It costs less than heat treated in-the-bar alloys.

STRESSPROOF®
STEEL BARS

with copper

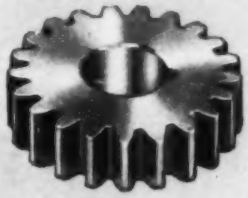
Strength Without Heat Treating

Worm Shaft, 1½"

Input Shaft, 1 3/32"

Driving Axle, 1 3/32"

Shifting Shaft, ¾"



Reverse Pinion, 3"

Bearing Carrier
Clutch Throwout, 2¼"

Use this coupon to request technical bulletin announcing improvements in LaSalle STRESSPROOF *Steel Bars...with copper.*

La Salle STEEL CO. | 1438 150th Street, Hammond, Indiana

Please send technical bulletin "Today's Improved LaSalle STRESSPROOF Steel Bars...with Copper."

Name_____

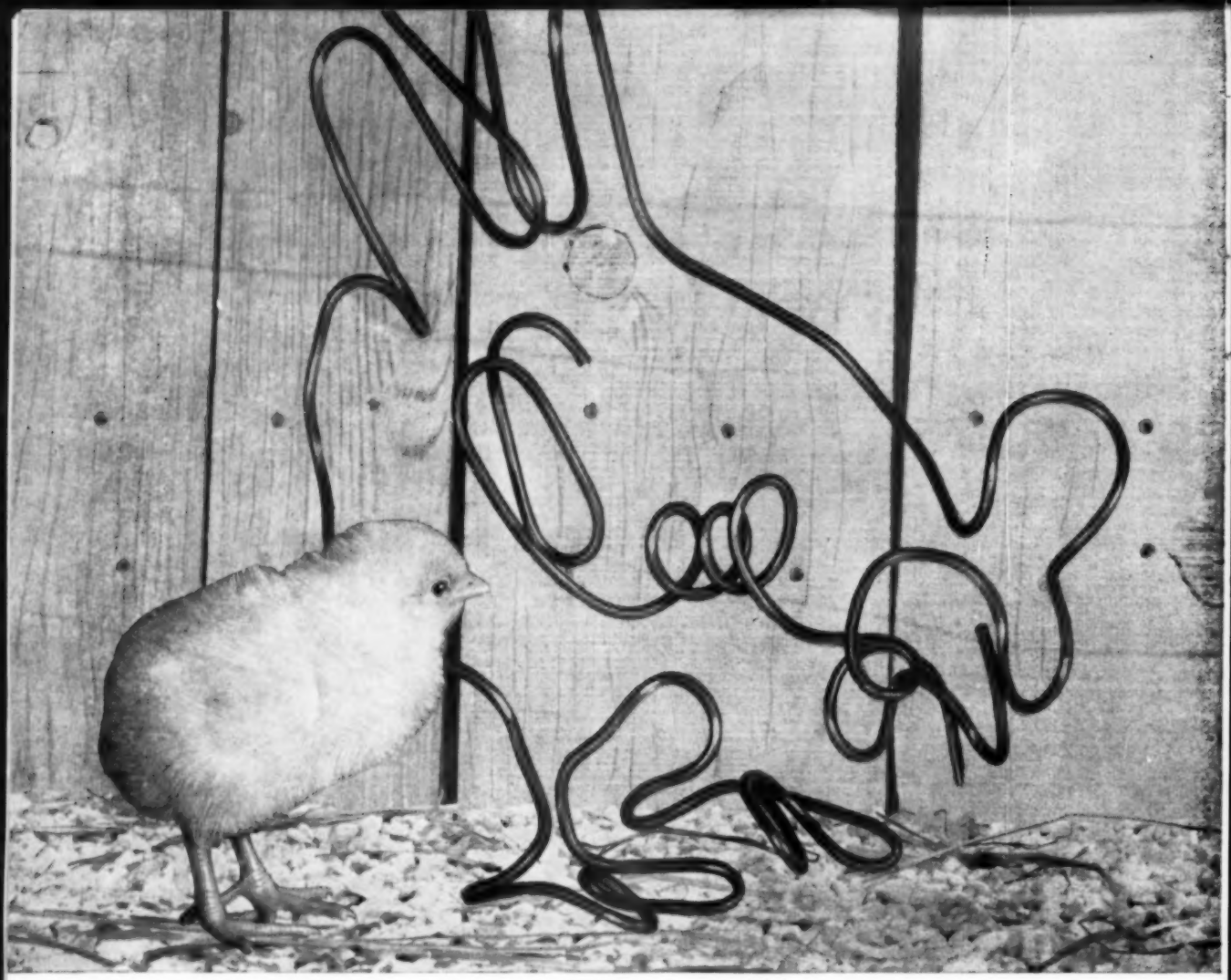
Title_____

Company_____

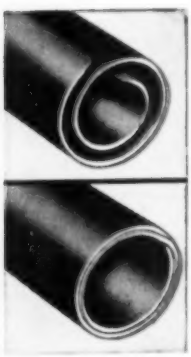
Address_____

City_____ Zone____ State_____

Circle 172 on Inquiry Card for more data



There's almost no limit to the things Bundy can mass-fabricate



Bundyweld is the original tubing double-walled from a single copper-plated *steel* strip, metallurgically bonded through 360° of wall contact for amazing strength, versatility.

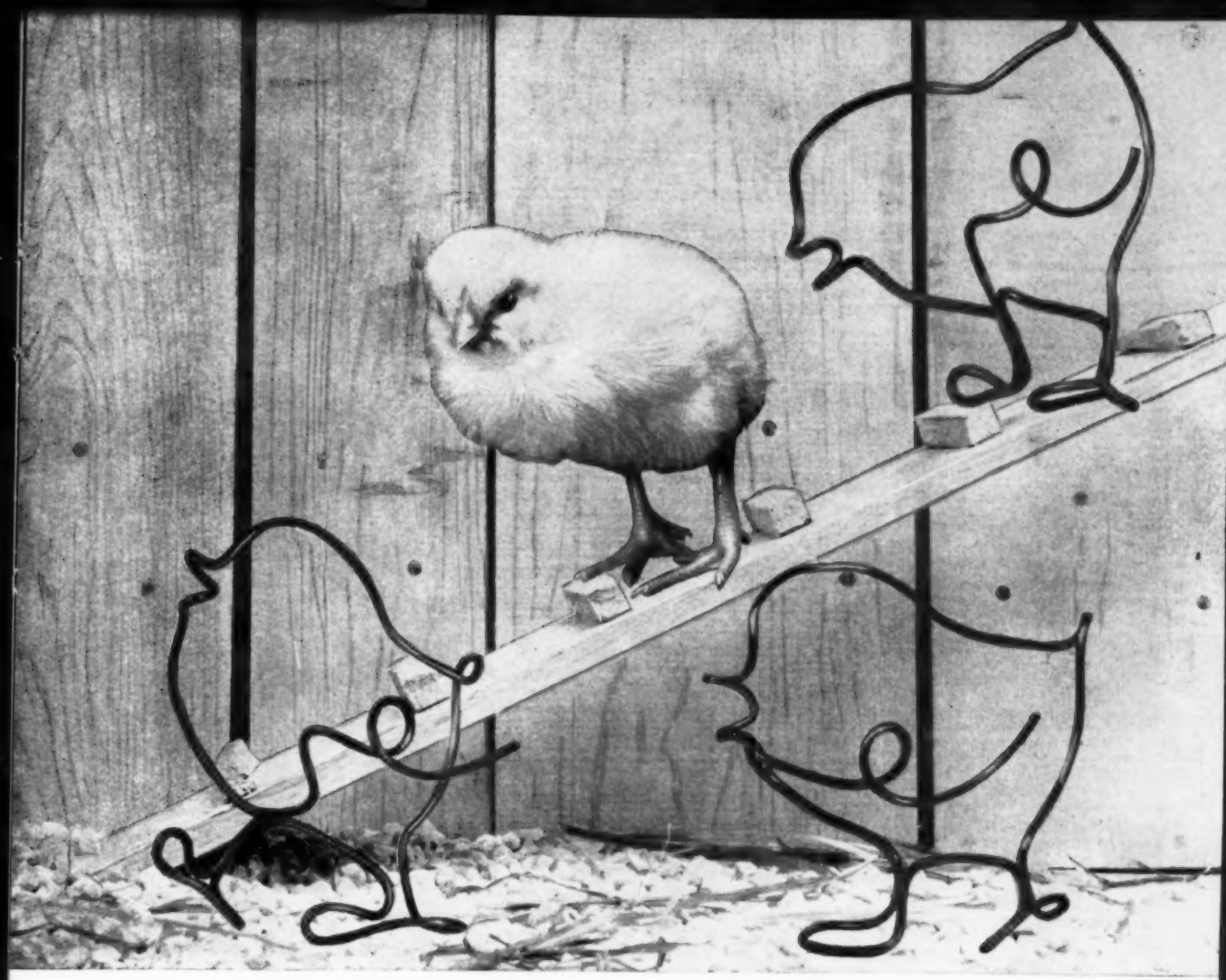
Bundyweld is lightweight, uniformly smooth, easily fabricated. It's remarkably resistant to vibration fatigue; has unusually high bursting strength. Sizes up to ⅝" O.D.

The old adage, "Don't count your chickens before they hatch," is a good one . . . but it rarely applies to Bundy. That's because, no matter how complex your tubing problem, you *can* count on Bundy for the perfect solution.

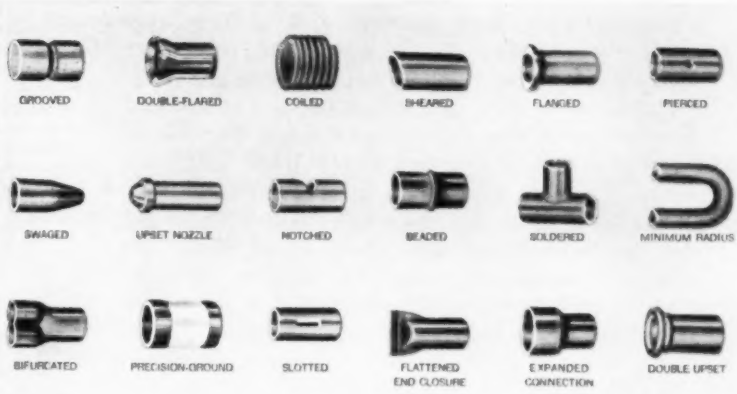
Bundy engineers and designers are backed by years of experience in the mass-fabrication of steel tubing. And they are available to you at any stage of product development for time- and money-saving suggestions. Their key: Bundyweld®!

Bundyweld steel tubing is double-walled, copper-brazed, leakproof by test. Used on many applications in 95% of today's cars, Bundyweld is the tubing standard of the automotive industry. Covered by Government Spec. MIL-T-3520, Type III.

So, when you want to talk tubing, talk to the leader—Bundy! Phone, write, or wire Bundy Tubing Company, Detroit 14, Michigan.



No matter what type of mass-fabrication you require, Bundyweld may be your answer. Shown here are just a few tubing operations designed and fabricated by Bundy—many for use in the automotive industry.



There's no substitute for the original

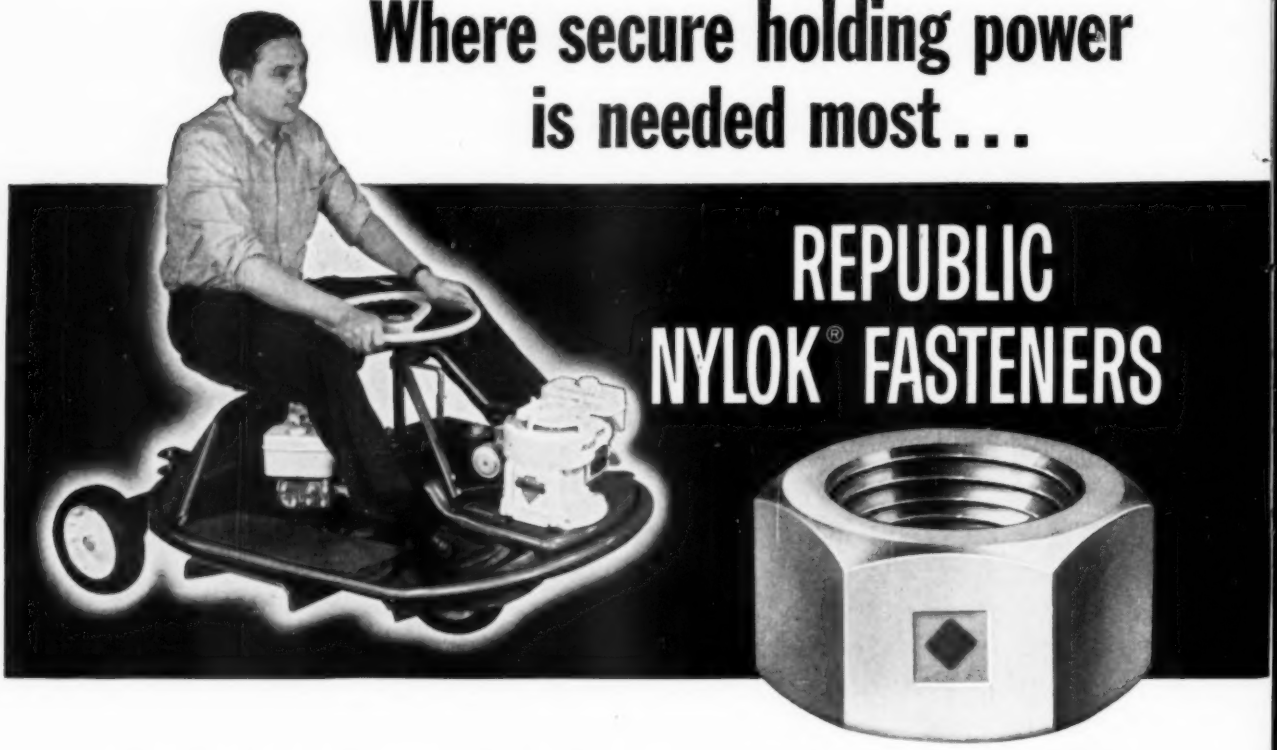
BUNDYWELD® TUBING

WORLD'S LARGEST PRODUCER OF SMALL-DIAMETER TUBING • AFFILIATED PLANTS IN AUSTRALIA, BRAZIL, ENGLAND, FRANCE, GERMANY, AND ITALY

BUNDY TUBING COMPANY • DETROIT 14, MICH. • WINCHESTER, KY. • HOMETOWN, PA.

Circle 173 on Inquiry Card for more data

Where secure holding power is needed most...



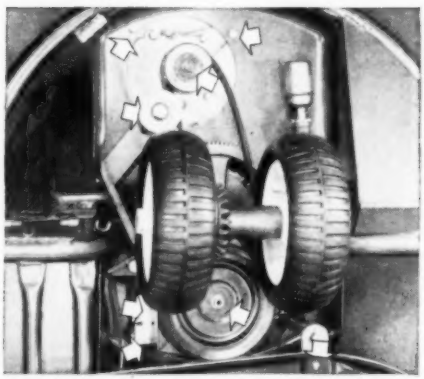
Users from coast to coast know about the quality construction of Roberton Twin Power Riding Mowers, made by Roberton Manufacturing Company, Chicago, Illinois.

Efficient riding mowers like these, constantly used to cut grasses of varying thickness and height, are subject to intense vibration. Yet their *two* power units are firmly held in place for long, dependable service by a total of 44 Republic Nylok Fasteners.

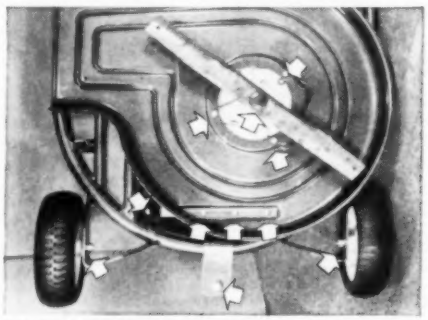
Republic Nylok Fasteners have a special nylon insert that assures positive locking at any position, even under severe shock, vibration, or tension. When the fastener is assembled, this nylon plug exerts pressure in a lateral direction, preventing all play, and utilizing the metal-to-metal contact of the opposing threads for locking.

Republic Nylok Fasteners provide maximum holding power under all conditions, whether seated or not; and they can be used repeatedly. One of their unique advantages is the "plastic memory" of the nylon plug—the tendency of the nylon to recover its original shape after assembly. This "growth" into the threads actually results in a tighter locking action, after a period of time, than when the fastener was first assembled.

The nylon insert is unaffected by age or cold, has high resistance to heat, and very low moisture-absorption rate. These are but a few of the reasons why Roberton Manufacturing Company uses Republic Nylok Fasteners in its advanced line of power mowers. Advantages like these can pay dividends in *your* application, too. For full information, contact your Republic representative, or mail coupon.

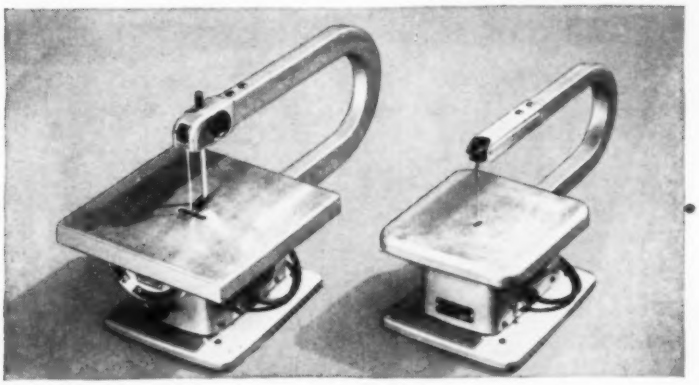


DRIVE UNIT, which furnishes motive power for Roberton Mower is securely held in place by Republic Nylok Fasteners as indicated by arrows. Engine remains tight against base even after years of hard service.



POWER FOR CUTTING is provided by a second, independent engine. Imagine the vibration set up by the swift-moving blade shown. Yet Republic Nylok Fasteners hold engine, wheels, and other parts, firmly in place.

REPUBLIC'S NEW HIGH STRENGTH POWDER, Type HS6460, opens the way to new markets for new applications using sinterings for highly stressed parts. Type HS6460 can be used with existing operating equipment. It provides a minimum tensile strength of 60,000 psi at 6.4 density as sintered, and 100,000 psi heat treated. Type HS6460 maintains its dimensional characteristics after sintering—less than .004 inches per inch shrinkage from die size at 6.4 density. Available in production quantities up to and including 12 tons, or in multiples thereof. Mail coupon for technical data sheet on Type HS6460 Powder.



EASY, EFFECTIVE FABRICATION is a characteristic of Republic Galvannealed Steel Sheets. Severe brake forming, shown above as done by Fogel Refrigerator Company, Philadelphia, does not affect their corrosion-resistant, paint-adhering qualities. Republic Galvannealed Sheets readily take shearing, punching, spot welding, and many other fabricating operations. Mail coupon for more facts.

SAVINGS IN A KEY PART are realized by Syncro Corporation, Oxford, Michigan, by using Republic ELECTRUNITE® Mechanical Tubing in the manufacture of jigsaws. Previously they used a casting for the blade-yoke, which requires a severe bend. ELECTRUNITE Square Tubing was recommended for one model, rectangular tubing for the other. Results: reduction in weight of the blade-yoke, and improvement in appearance of the product, with savings in time, materials, assembly, and shipping costs. For more information mail coupon below.

REPUBLIC STEEL

World's Widest Range of Standard Steels and Steel Products

REPUBLIC STEEL CORPORATION
DEPT. AI-8003
1441 REPUBLIC BUILDING • CLEVELAND 1, OHIO

Please send additional information on the following:

☐ Nylok Fasteners ☐ Galvannealed Sheets
☐ Type HS6460 Powder
☐ ELECTRUNITE Mechanical Tubing

Name_____ Title_____

Company_____

Address_____

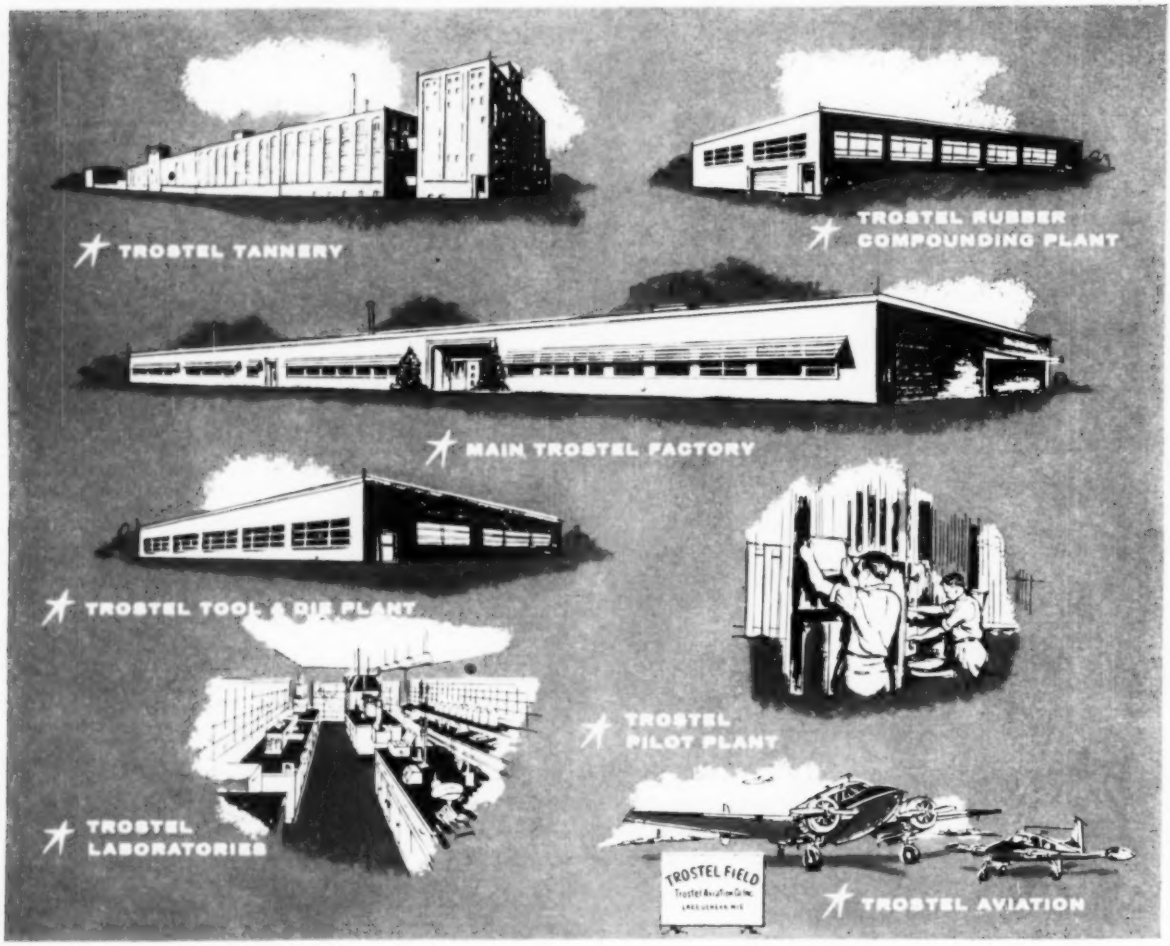
City_____ Zone____ State_____

Circle 174 on Inquiry Card for more data

TROSTEL

A complete producing organization for

☆OIL SEALS ☆PACKINGS ☆O-RINGS



Quality in every phase of supply and manufacture is assured through Trostel ownership of all essential facilities

From raw materials to finished product, all key sources of supply and manufacture are Trostel owned and operated. Leather is tanned at the Trostel Tannery. Rubber is compounded at the Trostel Compounding Plant. Dies are made at the Trostel Tool and Die Works. Three separate Trostel Laboratories conduct research in leather, impregnations, and synthetics. A pilot plant tests all production runs. When, therefore, parts and materials arrive at the point of manufacture into seals and packings they are uniformly standard in specifications. Manufacture itself is by automatic machinery in a modern plant, with a quality control system that insures close-tolerance accuracy in all operations. Special delivery and service are provided by Trostel Aviation . . . we can come to you quickly, or bring you to us.

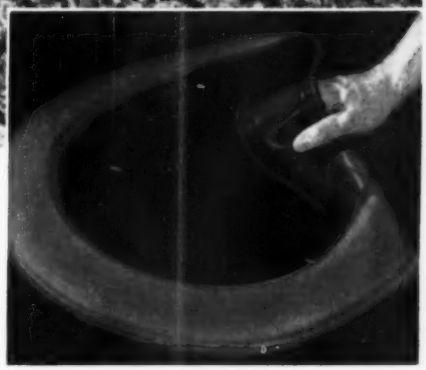
Trostel control of its products from raw materials to delivery is your guarantee of dependably high quality at all times, on every order. For catalog and technical data, write Albert Trostel Packings, Ltd., 800 Madison St., Lake Geneva, Wis.

TROSTEL QUALITY SINCE 1858

PACKINGS
OIL-SEALS
O-RINGS

SILICONE NEWS from Dow Corning

Rubber Stays Flexible at 500F



SILASTIC® SILICONE RUBBER Makes Durable Pressure Actuator for Brakes

For an elastomer that must seal hot air and contact hot metal, try Silastic, the Dow Corning silicone rubber. Engineers at LeTourneau-Westinghouse were so impressed with their tests of Silastic that they have now standardized on it for brake actuating diaphragms in all their 20 to 70 ton Tournapull earth movers.

These Tournapulls require an extremely high braking force to bring them to a stop. Their disc brakes must absorb up to 1700 BTU per second of heat energy . . . brake area temperatures may frequently rise to above 500 F. As a result, the brake diaphragms formerly used failed too often.

So LeTourneau engineers started a laboratory and field evaluation program of other diaphragm materials, including Silastic reinforced with glass cloth. They found that the diaphragms of Silastic repeatedly withstood 100,000 half-inch flexings while intermittently subjected to temperatures in the range of 500 F. Even after this rough treatment, the Silastic retained its original shape, strength and flexibility. The diaphragms of Silastic have provided five times the service life of the previously used parts.

Whenever your design parameters demand this kind of performance, ask your rubber fabricator to engineer you a part of Silastic. Or write for further data to Dept. 0624.

TYPICAL PROPERTIES OF SILASTIC
(non-reinforced)

Temperature Range, °F	130 to 500
Tensile Strength, psi	600 to 1500
Tear Strength, lb./in.	40 to 180
Elongation, %	150 to 400
Compression Set, %, @ 300 F	5 to 50
Hardness Range, Shore A	25 to 80

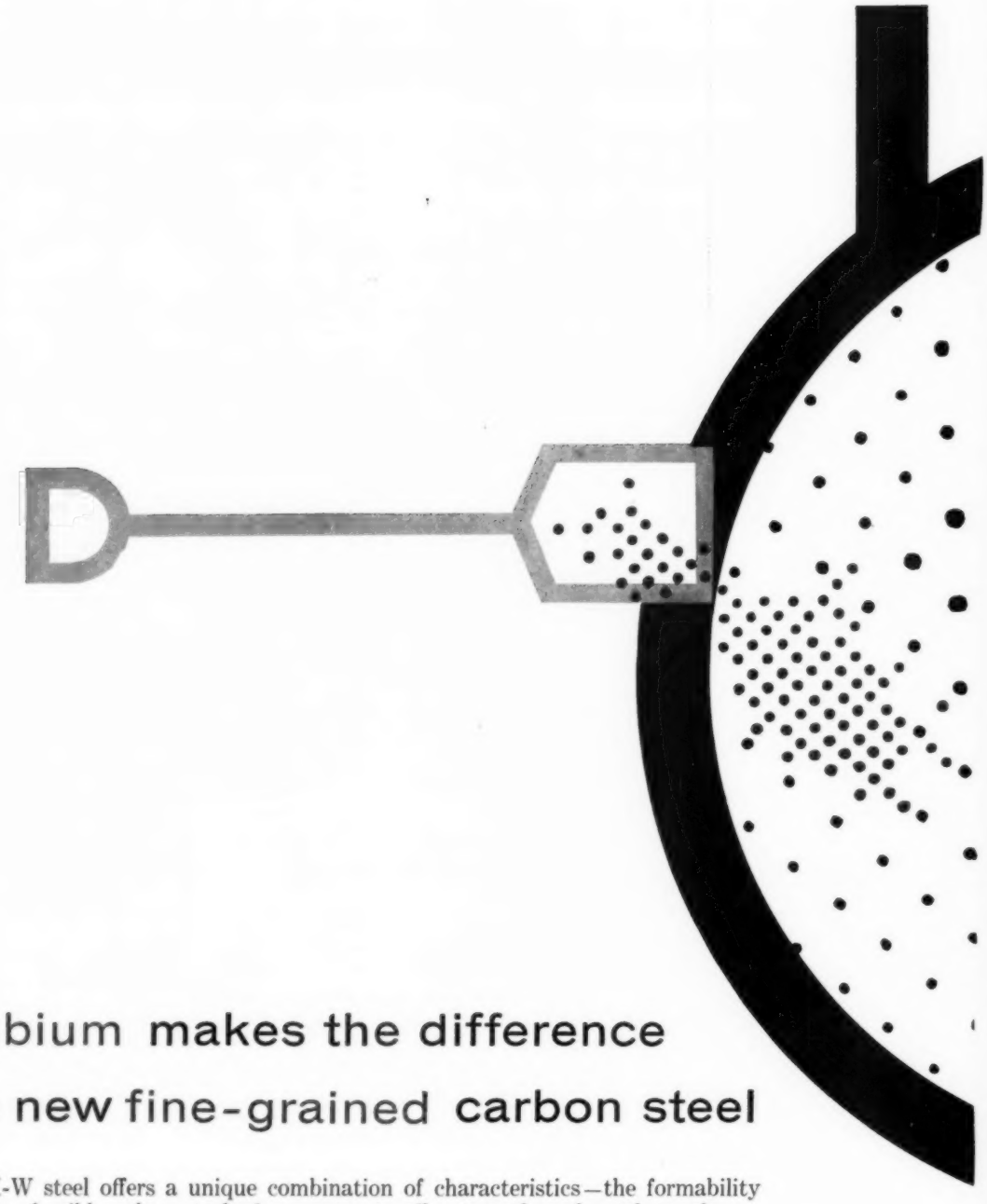
If you consider *all* the properties of a silicone rubber, you'll *specify Silastic.*

first in silicones

Dow Corning CORPORATION
MIDLAND, MICHIGAN

ATLANTA BOSTON CHICAGO CLEVELAND DALLAS LOS ANGELES NEW YORK WASHINGTON, D. C.

Circle 176 on Inquiry Card for more data



Columbium makes the difference in this new fine-grained carbon steel

The new GLX-W steel offers a unique combination of characteristics—the formability and weldability of mild carbon steel *plus* greater tensile strength and notch toughness.

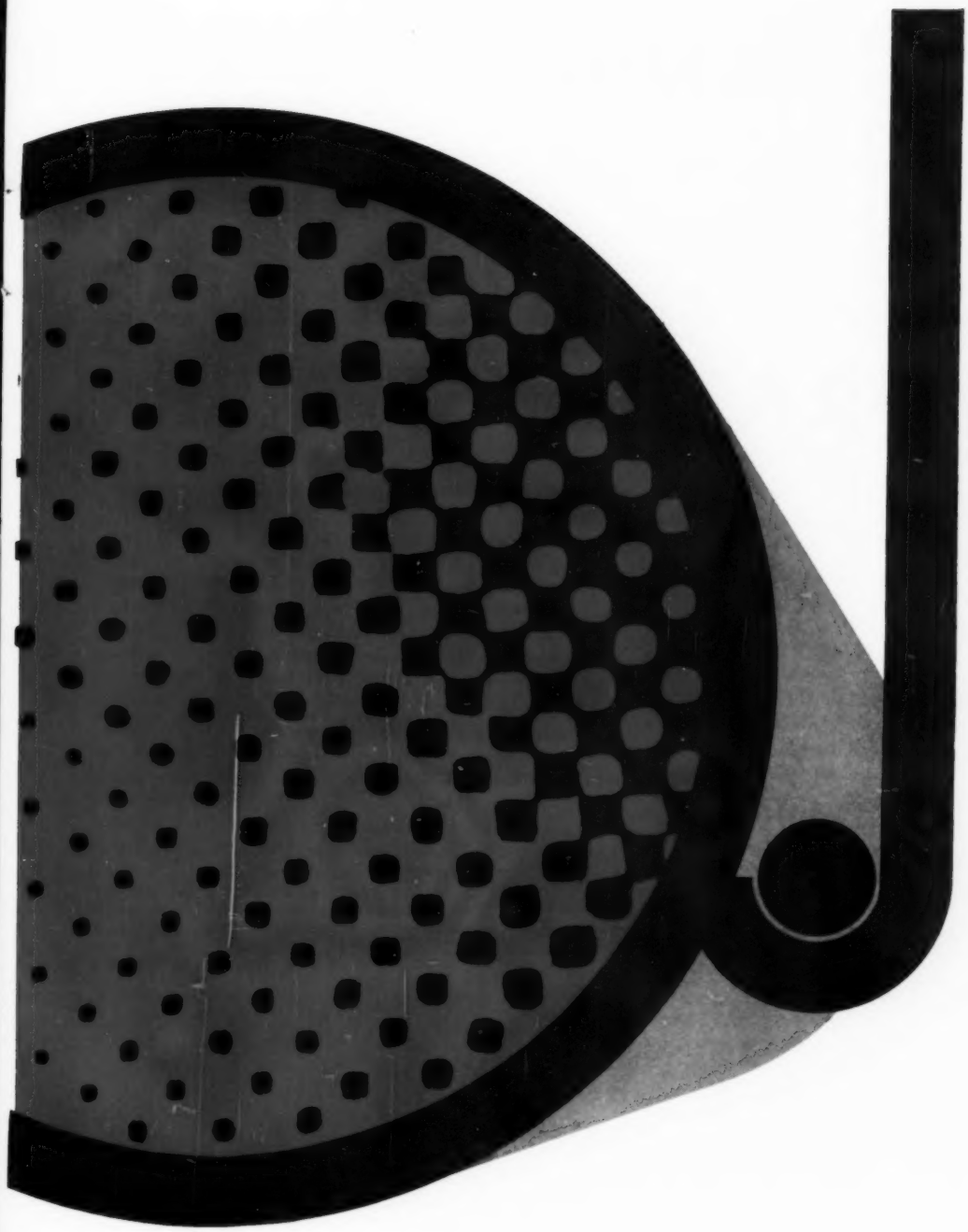
The addition of small amounts of columbium gives GLX-W the finer grain structure that makes this possible.

Where design permits, the use of GLX-W can result in weight savings up to 35%, compared with mild carbon steel. With yield strengths ranging from 45,000 to 60,000 psi, GLX-W steels are recommended for a broad range of applications. For technical information, write to our Product Development Division, Department **J.**

GREAT LAKES STEEL

Detroit 29, Michigan

A DIVISION OF NATIONAL STEEL CORPORATION



GLX-W

Circle 177 on Inquiry Card for more data

TRUCK MANUFACTURERS

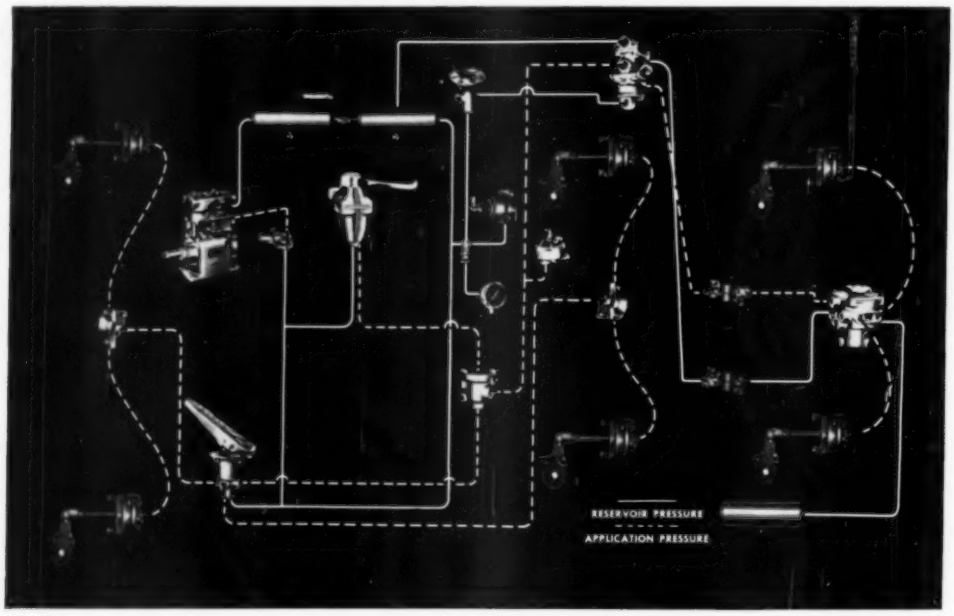
provide top performance at lower cost
with dependable

BENDIX-WESTINGHOUSE AIR BRAKE SYSTEMS!

Your customers gain many outstanding benefits when you equip your new vehicles with *complete* Bendix-Westinghouse Air Brake Systems. Each component of the basic system . . . as well as every optional accessory item . . . has been "*system engineered*" to assure complete operating compatibility for all units . . . an absolute essential for maximum performance of this closely related chain of devices. What's more, they have proved their dependability and overall economy on the toughest test track of all . . . millions of operating miles in service for the largest list of loyal, satisfied customers in the trucking industry. Superior engineering and research have made the name Bendix-Westinghouse *the standard of quality* among truck operators for thirty years . . . make it possible for you to offer your customers the finest air brake equipment available at the lowest life-cycle cost.

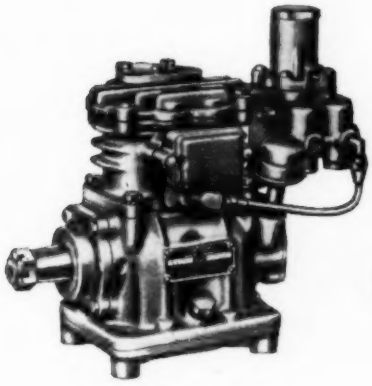
Coast to coast facilities for faster brake service. No matter where your customers' trucks travel they're never far from a Bendix-Westinghouse service outlet. Our nationwide network of Authorized Distributors is made up of *Truck Specialists* with the tools, equipment and stock-on-hand to take care of any brake maintenance and service required—in the shortest possible time, at the lowest possible cost. This alone is a mighty good reason why operators always are ahead with Bendix-Westinghouse Air Brake Systems on your vehicles.

Economical Repair Exchange Service. When Bendix-Westinghouse units require replacement, they can be quickly exchanged at nominal cost for factory-rebuilt devices that include the latest, most up-to-date improvements in design and construction. What's more, these low-cost Bendix-Westinghouse factory-reconditioned items carry the same warranty as brand-new units.



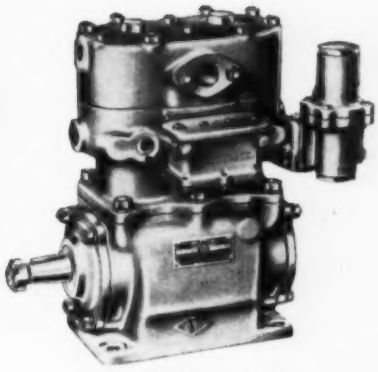
More trucks and buses are equipped with Bendix-Westinghouse Air Brake Systems than all other makes combined.

Compressors and accessories by Bendix-Westinghouse



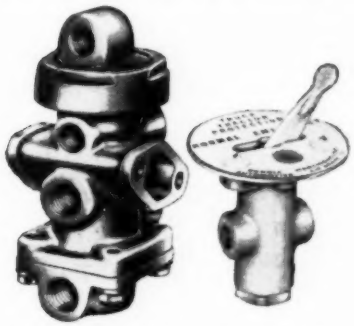
AIR COOLED TU-FLO 300

AIR OR WATER COOLED TU-FLO 400

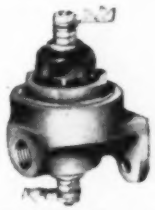


WATER COOLED TU-FLO 500

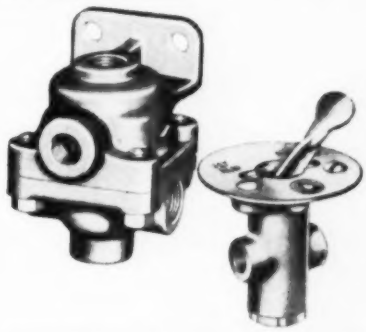
TU-FLO COMPRESSORS assure outstanding braking performance for all trucks, tractors, buses and off-the-road equipment: lower discharge temperatures over entire speed range . . . increased air delivery at low and intermediate speeds . . . improved oil control . . . higher maximum speeds . . . no external moving parts . . . and many other advantages.



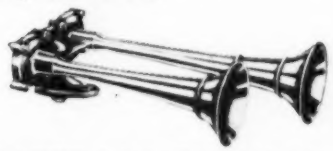
TRACTOR PROTECTION VALVE protects truck or tractor air brake system against loss of air pressure due to trailer break-away, leakage, or improperly connected hose lines. Complies with all current safety regulations.



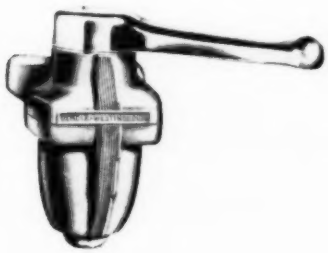
LOW-PRESSURE INDICATOR warns of any abnormal depletion of air. Buzzer or jewelled light notifies driver instantly when air pressure drops below normal.



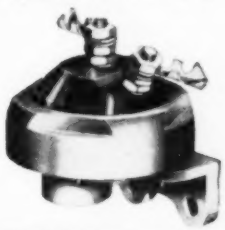
COMBINED LIMITING AND QUICK-RELEASE VALVE with dash-mounted control within easy reach. Offers driver choice of full front-wheel braking in "Dry Road" position or 50% front-wheel braking in "Slippery Road" position.



AIR HORNS that give finest warning signal on the highway. Suited to either cab-roof or under-hood installation. Come in one compact kit with optional hand or foot control.



INDEPENDENT TRAILER-CONTROL VALVE provides highly important independent trailer braking on severe grades, ice, or under otherwise hazardous road conditions. Minimizes "jackknifing."



STOP LIGHT SWITCH—electro-pneumatic device that operates in conjunction with brake valve and stop light by completing electrical connection the instant brakes are applied. No mechanical connections.

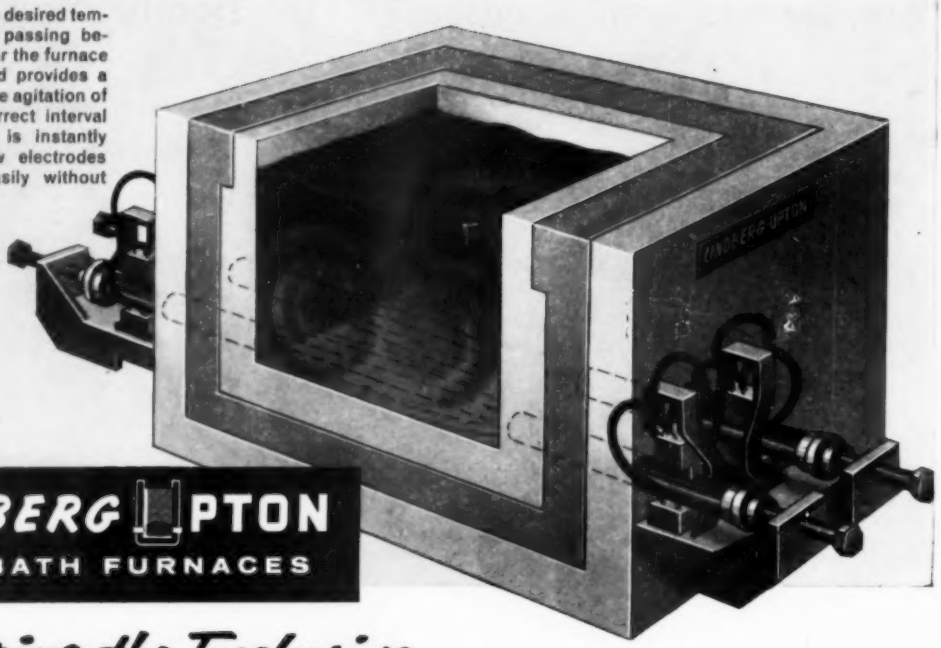
ALCOHOL EVAPORATOR effectively protects the air brake system against freezing in low temperature operations. Easily installed, inexpensive to operate.

Bendix-Westinghouse

AUTOMOTIVE AIR BRAKE COMPANY

General Offices and Factory—Elyria, Ohio.
Branches—Berkeley, Calif., and Oklahoma City, Okla.

Salt is kept at precise desired temperature by current passing between electrodes near the furnace bottom. This method provides a constant furnace-wide agitation of the molten salt. Correct interval between electrodes is instantly maintained and new electrodes can be inserted easily without furnace down time.



LINDBERG UPTON
SALT BATH FURNACES

Featuring the Exclusive

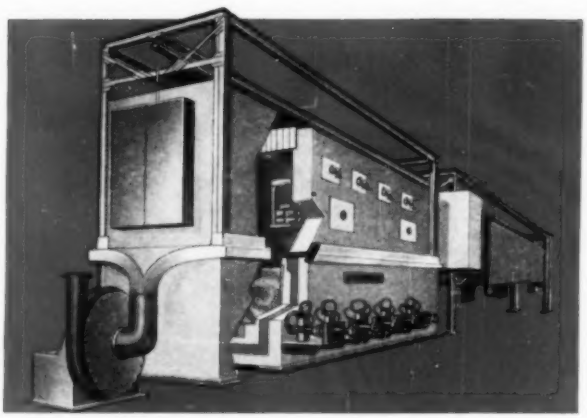
Graphite "Continuing" Electrode

MORE EFFICIENT, MORE ECONOMICAL FOR ALUMINUM DIP BRAZING

With Lindberg-Upton's graphite "continuing" electrodes you can eliminate problems inherent in ordinary high alloy electrodes for aluminum dip brazing. An exclusive feature of Lindberg-Upton Salt Bath Furnaces, these graphite electrodes also provide a superior technique for treating high speed steels and super alloys requiring extremely deep furnaces and high temperatures up to 2500° F. Here are some of their advantages:

- **No flux contamination as with alloy electrodes.**
- **No electrode replacement down time—"continuing" electrode is easily advanced as needed.**
- **Low cost—approximately $0.25 per electrode per month in aluminum dip brazing applications.**
- **Unique starting coil makes this the easiest electrode furnace to start or restart.**
- **Temperature uniformity within ±2½° F.**
- **Unobstructed top surface area.**
- **Pot area unobstructed for fast, easy cleaning.**
- **Monolithic walls—less than 8% salt absorption.**
- **Sizes up to 50′ or more in length.**

Your local Lindberg Field Representative (see your classified phone book) will explain how Lindberg-Upton furnaces can help you. Or write us direct. Salt Bath Furnace Division, Lindberg Engineering Company, 2491 West Hubbard Street, Chicago 12, Illinois. Los Angeles plant: 11937 South Regentview Avenue, at Downey, California. In Canada: Birlefco-Lindberg, Ltd., Toronto, Canada.



A complete Lindberg installation—preheat furnace at right, holding chamber at top left. Lindberg-Upton Salt Bath Furnace with graphite "continuing" electrodes below at left. Necessary wash tanks (not shown) were included in the final installation.

When you select Lindberg-Upton Salt Bath Furnaces you have the additional advantage of dealing with one responsible source, Lindberg, for all necessary industrial heating equipment needed to fit your production processes effectively. Here is a cut-out view of a complete salt bath installation engineered and field-installed by Lindberg Industrial Division. Single responsibility for the efficient operation of the complete unit is your best guarantee of full satisfaction.

LINDBERG heat for industry

Circle 179 on Inquiry Card for more data

Circle 180 on Inquiry Card for more data

Education in High Gear

Knowledge is the destination of this vehicle — the world's first Mobile Laboratory for Automotive Research and Education.

J&L stainless steel is used exclusively for exterior and interior components to help assure long, useful life. Part of that life will be devoted to gaining a better understanding of how stainless steel combats corrosion, provides greater structural strength, reduces weight, improves performance.

The high stength and durability of stainless steel can provide greater design freedom, more economical production and longer service life for all functional automotive components.

J&L leads the industry in melt shop standards for stainless steel—the point where quality starts, **and engineering achievement begins.**

This unique Mobile Laboratory was presented to the University of Michigan by The International Nickel Company. It was adapted from a 27-foot General Motors Coach by Ionia Manufacturing Div., The Mitchell-Bentley Corp. Contributing companies include: General Motors Corp.—Styling Staff, Engineering Staff, Proving Grounds, Truck and Coach Div., Harrison Radiator Div., and Frigidaire Div.; United States Rubber Company; Lyon, Inc.; and Friez Instrument Div., Bendix Aviation Corp.

Plants and Service Centers:
Los Angeles • Kenilworth (N. J.) • Youngstown • Louisville (Ohio) • Indianapolis • Detroit

J&L
STAINLESS
SHEET • STRIP • BAR • WIRE

Jones & Laughlin Steel Corporation • STAINLESS and STRIP DIVISION • Box 4606, Detroit 34

NADELLA

The

NEEDLE THRUST BEARING
WITH INTEGRAL RACEWAY

•

NO THICKER THAN A WASHER
LARGE LOAD CAPACITY
CUTS COSTS
RUGGED CONSTRUCTION

•

ALSO..
SPECIAL DESIGN
FOR HIGH-PRECISION APPLICATIONS

Metric sizes - D_i and D_e shown in mm and inches

AX	15 28	17 30	20 35	25 42	30 47	35 53	40 60
D_i	15 / .5906	17 / .6693	20 / .7874	25 / .9843	30 / 1.1811	35 / 1.3780	40 / 1.5748
D_e	28 / 1.1024	30 / 1.1811	35 / 1.3780	42 / 1.6535	47 / 1.8504	53 / 2.0866	60 / 2.3622

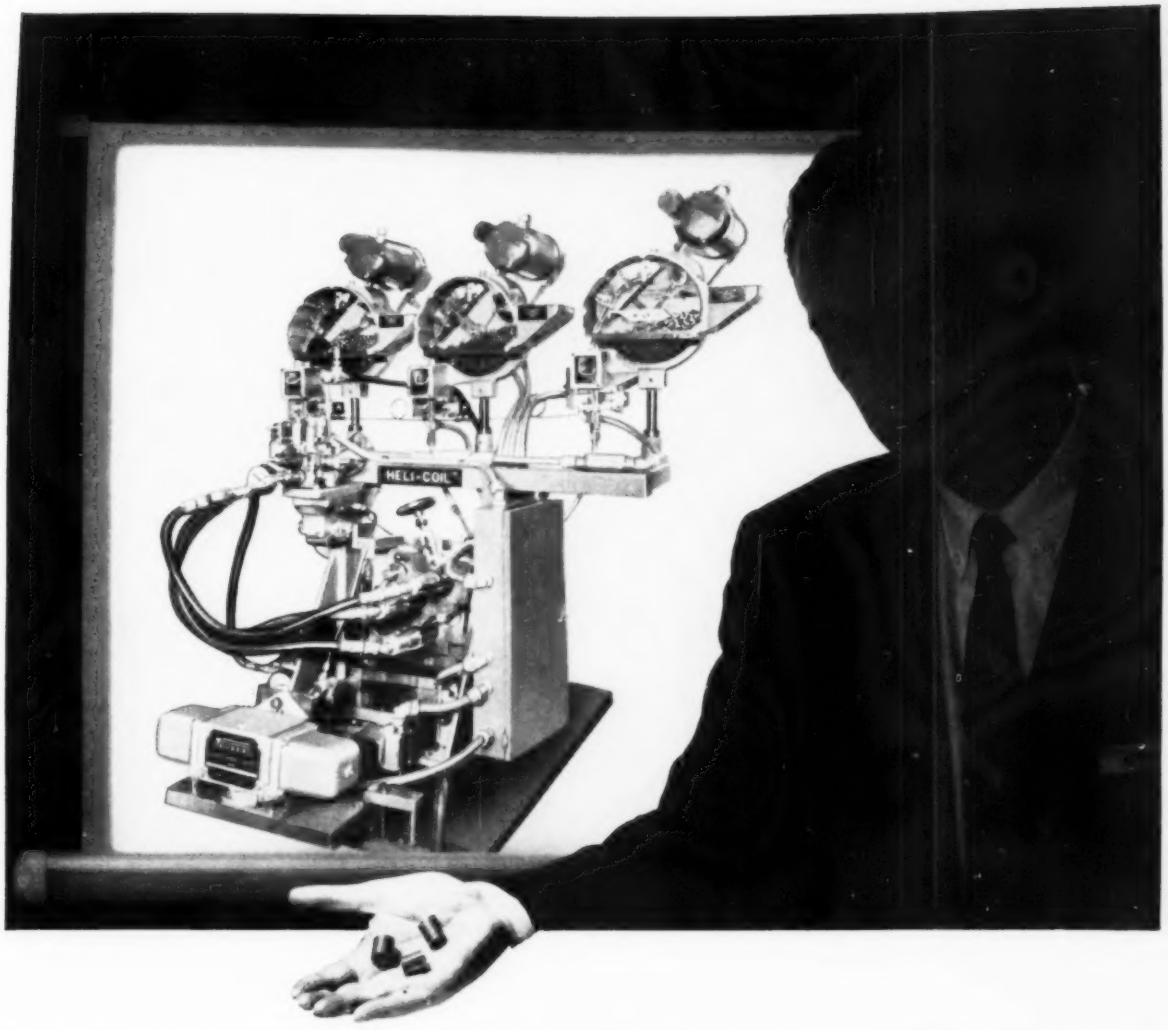
OTHER SIZES UNDER DEVELOPMENT

NADELLA ALSO MAKE

•

Needle rollers
Needle bushes
Needle roller bearings
Cam followers

133 à 137, BOULEVARD NATIONAL, **RUEIL-MALMAISON** (S.-&-O.) - TÉL. : 967 - 1015 (+)



"Automatically installed, these Heli-Coil® Screw-Thread Inserts give Ford aluminum housings permanent steel threads."

Automatic, high-speed machines are installing these ***Heli-Coil*** steel wire thread inserts on Ford production lines right now. Designed and built by ***Heli-Coil*** engineers, they automatically position and install three inserts in an aluminum transmission housing in seconds.

***Heli-Coil* Inserts** give aluminum threads the strength of steel for the life of the unit. Without them, tapped holes in the starter mounting pad would have been too soft to resist wear under vibration, impact and occasional removals of the starter for service.

Use of ***Heli-Coil*** steel inserts opens up new design possibilities for your light metal assemblies — and automatic equipment can be built to meet your exact requirements! Here's what ***Heli-Coil*** Inserts will do for you —

- hold screws or studs secure under impact and vibration
- prevent thread wear, stripping, corrosion, galling and seizing even in soft metals
- allow repeated assembly and disassembly without loss of thread strength
- permit use in standard proportion bosses without need for redesign
- can be specified for a complete range of U.N.C. and U.N.F. thread sizes as well as spark plug and pipe thread series
- save assembly time, space, weight and cost

For complete design data on Heli-Coil Screw-Thread Inserts, clip and mail the coupon.

HELI-COIL CORPORATION
DANBURY, CONNECTICUT

HELI-COIL CORPORATION
3212 Shelter Rock Lane, Danbury, Conn.

Send complete design data on *Heli-Coil* Screw-Thread Inserts

NAME_____ TITLE_____

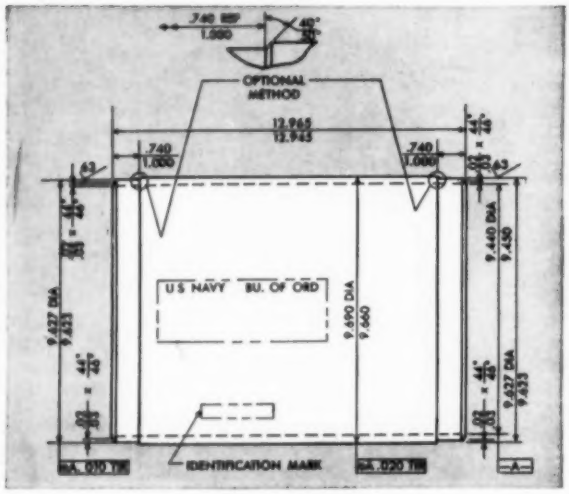
FIRM_____

ADDRESS_____

CITY_____ ZONE____ STATE_____ 1592

The Navy said

"CAN YOU"



In the drawing above, a reinforced plastic battery shell that we have made in quantity for the U.S. Navy Bureau of Ordnance. Tolerances were tight . . . such as ±.002" on this 10-1/4" dia. part, which had a wall thickness of only 3/32".

Production was successful, thanks to techniques we were already using for volume production of reinforced plastic pressure tanks.

The same techniques can solve *your* problems! Whether it's tanks or tubs or parts, call us or write. We'll tell you what's possible and whether it's practical.

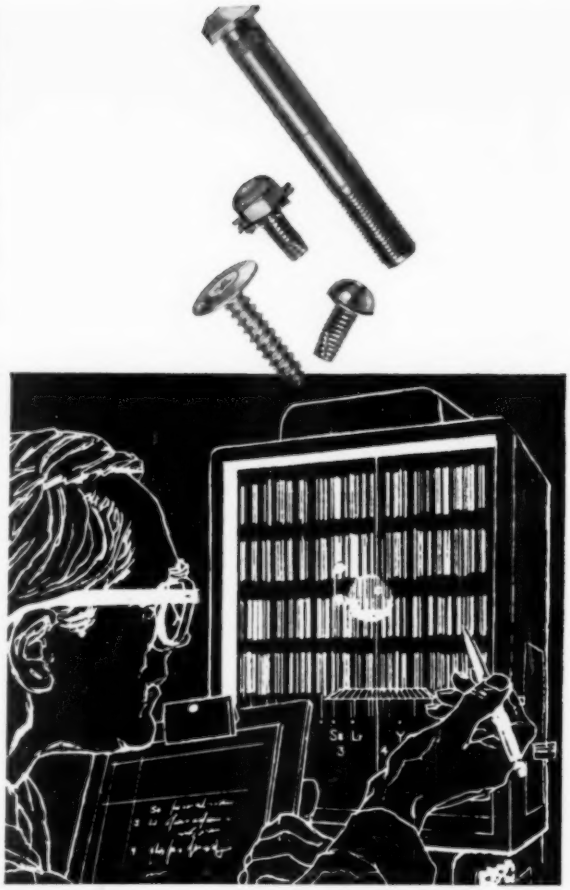
structural fibers, inc.

FIFTH AVENUE · CHARDON, OHIO

REINFORCED PLASTIC PRODUCTS BY THREE PROCESSES:

- internal pressure molding
- matched die molding
- premix molding

Circle 183 on Inquiry Card for more data



The high quality of NATIONAL LOCK FASTENERS is more than skin deep

Quality wire is the basic ingredient for quality fasteners. That's why, at National Lock, quality control starts with elements of the raw wire. Here, a unique *spectograph* is used to make a complete qualitative analysis of the metal that goes into National Lock fasteners and cold-headed products. And, too, size, thread dimension, finish and other exacting customer specifications are checked with equal vigilance and thoroughness. National Lock fasteners are quality made inside and out to assure long-term, dependable performance.

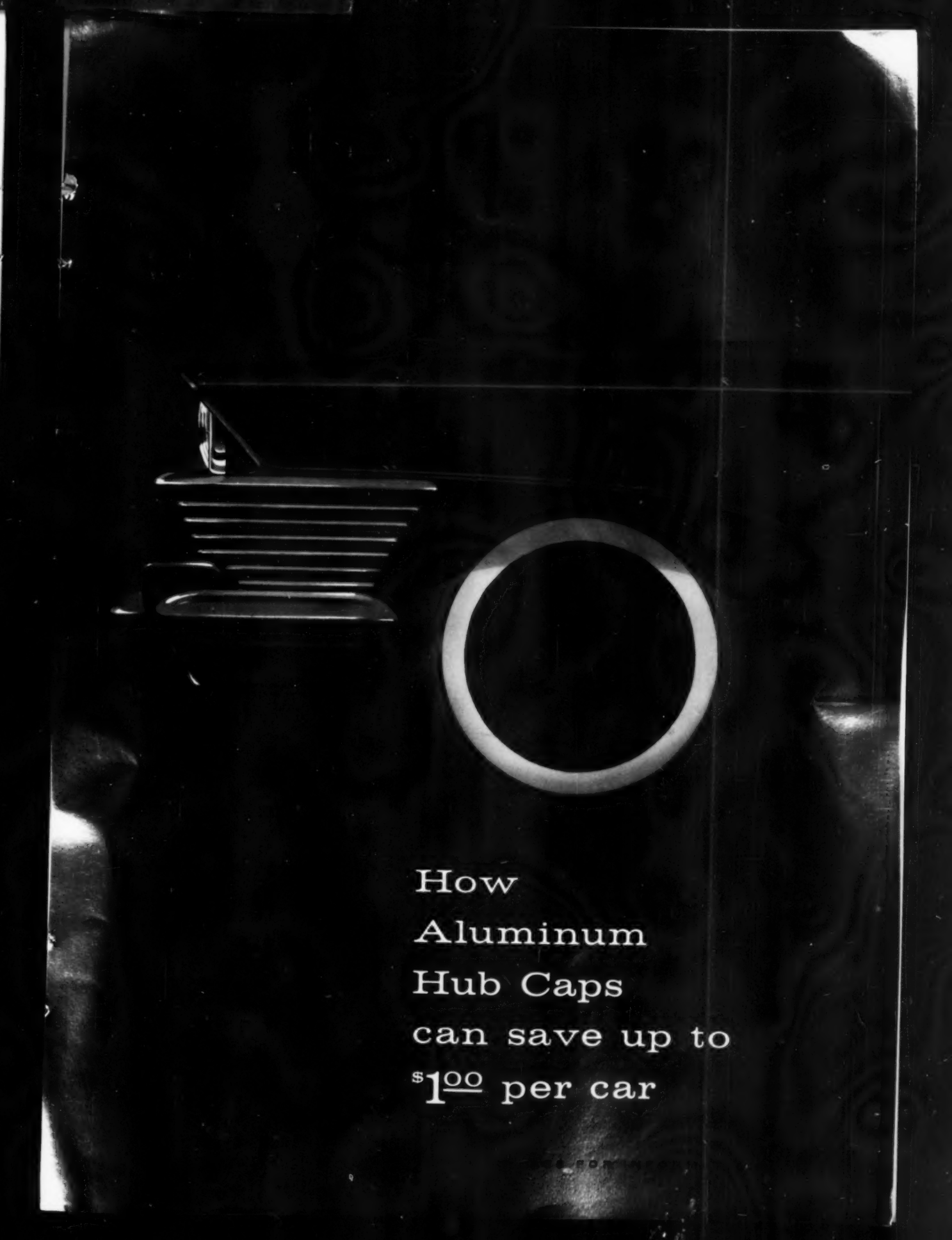
STANDARD AND SPECIAL-PURPOSE FASTENERS FOR AMERICAN INDUSTRY SINCE 1909

NATIONAL LOCK COMPANY

FASTENER DIVISION, ROCKFORD, ILLINOIS

Circle 184 on Inquiry Card for more data

Circle 185 on Inquiry Card for more data →


How
Aluminum
Hub Caps
can save up to
$1.00 per car

Aluminum Hub Caps

offer savings in fabricating and finishing, provide greater freedom in design

Recent design and sample fabrication work has pointed out the potential cost savings with aluminum hub caps of from 40¢ up to $1.00 per car (based on four hub caps per car). These savings, like the savings on other automobile parts that are part of the original car cost to the manufacturer, can be substantial per model in a high production year. The total savings, if projected to the automobile industry, would run up to millions of dollars.

These figures of 40¢ to $1.00 are based strictly on fabricating and finishing savings. Savings made possible because of aluminum's ease of fabrication and anodized finishes that are often less costly than finishing processes required with other metals.

From both a cost and design standpoint, hub caps currently being made of various other metals cannot be formed to the degree that aluminum permits, therefore a wider variety of formed details and sharp embossments are possible with aluminum. And even in the case of metals that can be formed to the finer details and deeper cross sections possible with aluminum, there is still a distinct advantage in favor of aluminum. The reason: these other metals require electro-plating or other costly finishing operations. Anodized aluminum finishes are more economical.

Aluminum hub caps offer "bonuses", too. They are strong, lightweight, rustfree. And with their handsome clear or color anodized finishes they can add sales appealing beauty to your fine cars of tomorrow.

Aluminum hub caps (and wheel covers) are one of many automobile applications where strong, lightweight, rustfree aluminum can help you improve parts and reduce costs. For full details, talk to Reynolds Aluminum Specialists. They will help you on individual parts and will also help you plan a cost-cutting aluminum package that includes a variety of parts. And they will bring you details of Reynolds services on aluminum mill products and fabricated aluminum parts. *Contact Reynolds Metals Company new sales office at Northland Drive and Northwestern Highway, P.O. Box 5050, Seven Oaks Station, Detroit 35—phone KEnwood 7-5000. Or contact your nearest Reynolds Office or write P.O. Box 2346-MU, Richmond 18, Va.*

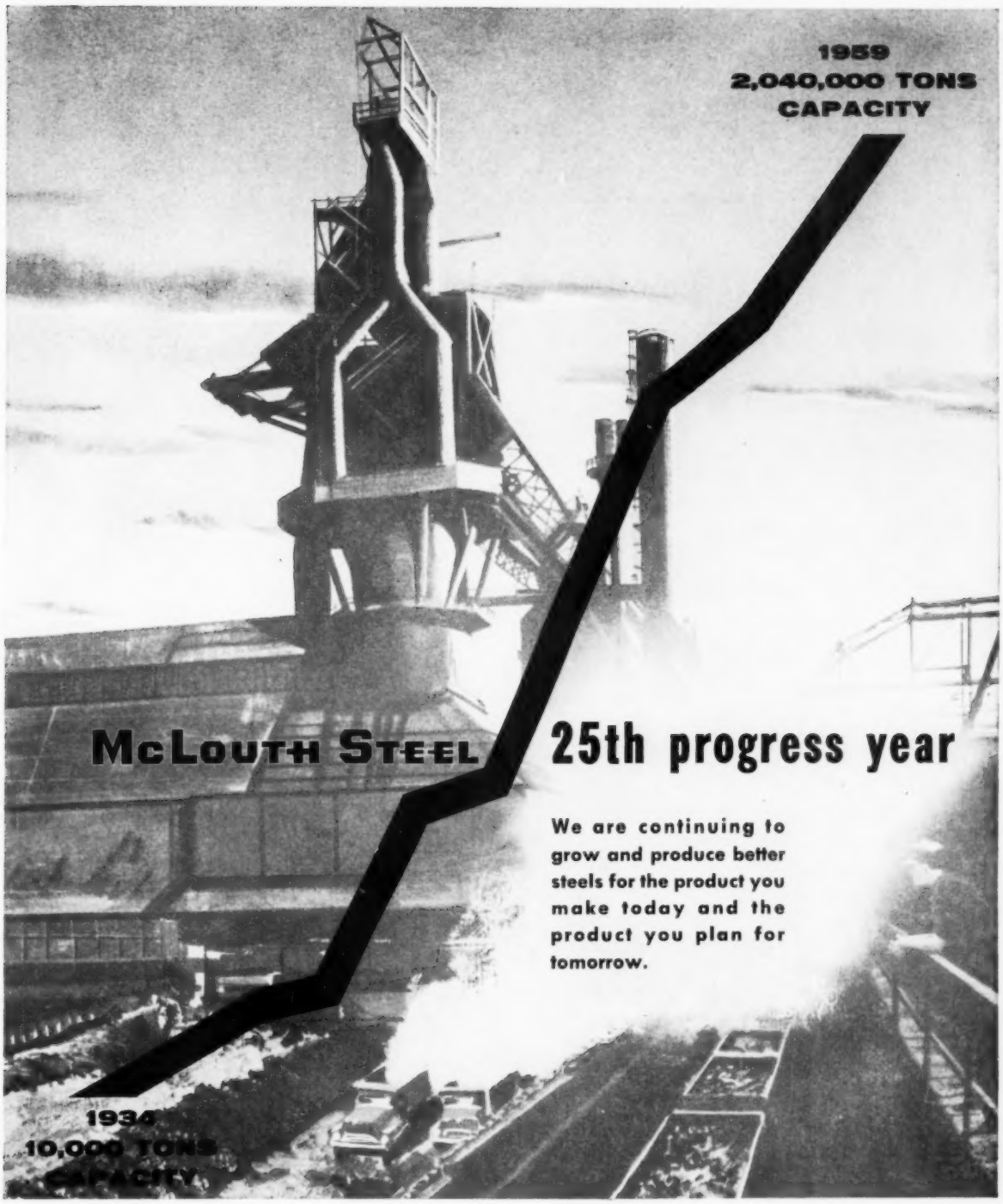
NOTE: Before you buy any part—have it designed and priced in aluminum. Basic material costs do not determine part costs. New techniques and processes—applicable only to aluminum—can give you a better product at a lower final cost.

The Finest Products Made with Aluminum are made with REYNOLDS ALUMINUM

Reynolds Aluminum

the metal for *automation*

Watch Reynolds TV shows—"ALL STAR GOLF", "BOURBON STREET BEAT" and "ADVENTURES IN PARADISE"—ABC-TV



McLOUTH STEEL CORPORATION

HOT AND COLD ROLLED SHEET AND STRIP STEELS

Detroit 17, Michigan

Circle 188 on Inquiry Card for more data

No favoritism here!

The umpire calls 'em like he sees 'em. He's paid to be objective, and that's why his opinions are far more reliable than those of a partial home team rooter.

Twin Disc can be as unbiased as an umpire when it comes to making recommendations about power transmission applications. The reason is simple: Twin Disc—and only Twin Disc—builds a complete line of industrial drives. Friction or fluid, there's a Twin Disc drive for every power train . . . in capacities from fractional to 1000 horsepower.

So no matter what unit the Twin Disc application engineer advises for your drive line, he's playing no favorites—his company makes them all. For an honest and completely objective answer to your problem, get in touch with Twin Disc now.

FLUID OR FRICTION

Fluid couplings

Single-stage torque converters

Three-stage torque converters

Mechanical clutches

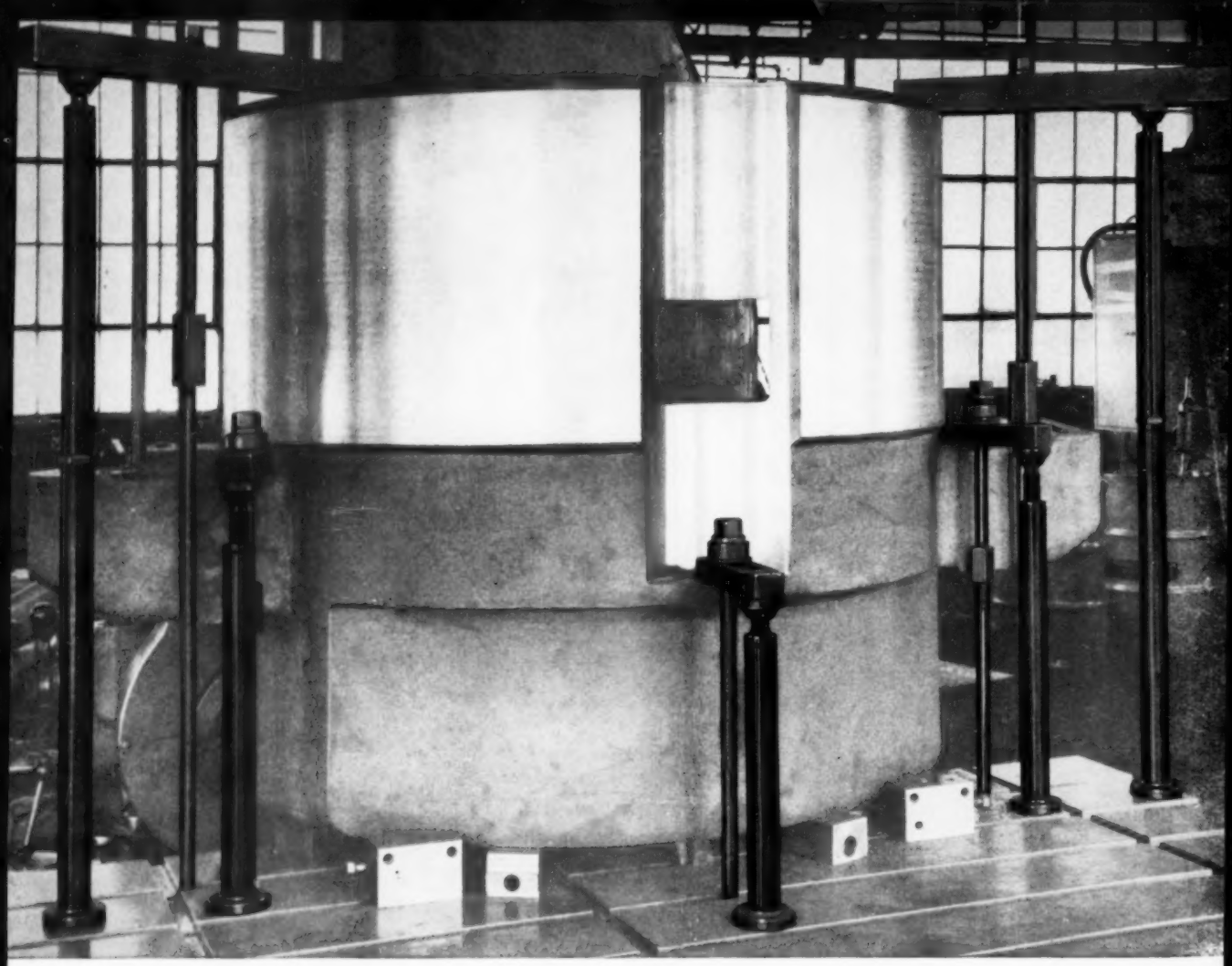
Hydraulic clutches

Electric clutches

Air-actuated clutches

TWIN DISC
CLUTCHES AND HYDRAULIC DRIVES
REG. U.S. PAT. OFF.

TWIN DISC CLUTCH COMPANY • RACINE, WISCONSIN
Hydraulic Division: Rockford, Illinois



Here's how Handy Clamp and Jack Set clamps down on machining costs . . .

JACKS UP PRODUCT PERFORMANCE

USS National Seamless Mechanical Tubing helps one of our customers* do both. By using Mechanical Tubing in their clamp and jack sets, our customer finds it unnecessary to machine the ID before threading the ends; that painting requires no special preparation, and that, compared to bar stock, tubing is lighter to handle and ship. Three different sizes of sets are offered: 1" diameter, 1½" diameter and 1¾" diameter, all with 5/32-inch wall.

USS National Seamless Tubing helps cut processing costs because it eliminates drilling operations. It enables you to replace drills with simple, less expensive boring tools. And, it reduces tool wear and tool changes.

USS National Seamless Tubing gives you a superior cross section for a part that is designed to withstand equal loading in any direction. It resists bending stresses. It absorbs and localizes shock. And in torsion, it provides a better material distribution, and for a given weight, can withstand more load than other sections.

There's a National Tube Distributor located near you. He's expertly trained in solving all types of tubing problems. So, if you'd like to learn how USS National Seamless Steel Mechanical Tubing can be applied to your designs, see him . . . soon!

USS and National are registered trademarks

**Customer's name supplied on request.*

The world's largest and most experienced manufacturer of tubular products

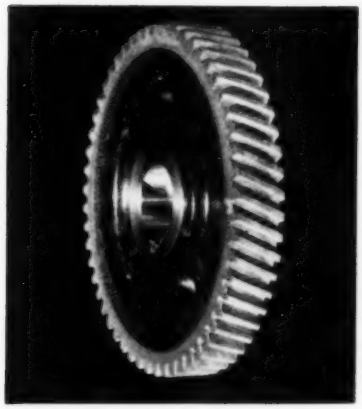
National Tube Division of United States Steel

Columbia-Geneva Steel Division, San Francisco, Pacific Coast Distributors
United States Steel Supply Division • United States Steel Export Company, New York

PROGRESS IN PLASTICS

CDF CELORON GEARS ARE QUIET, WEAR LONGER

Why plastics for gears? Because laminated-rim molded Celoron® gears are *quiet* (eliminate the annoying noise of chain timing and metal-to-metal gearing). Because they reduce heat and wear on mating metal gears, thereby reducing repair costs and preserving accuracy throughout the life of the engine.



Strength. Stamina is built into every CDF Celoron gear. Stronger teeth, longer running life, and smoother performance are characteristics of the Celoron gear. No type of "cheaper" gear construction has yet proved as satisfactory.

What it is. Each CDF Celoron gear blank is molded of laminated and macerated cotton cloth impregnated with a special phenolic resin. Gear teeth are cut in the laminated rim. Repeated tests prove the high impact strength, the great wear-resistance, and the low tone frequency of this "silent" gear material.

Design and purchasing men interested in adapting Celoron gears for engine-timing and other needs may obtain full technical data (properties, horsepower ratings, etc.) by writing to the Celoron Division of CDF at Bridgeport, Pennsylvania.

COMPLICATED PLASTICS PARTS AT LOW COST THROUGH POSTFORMING CDF DILECTO

How it's done. Briefly, postforming is effected by heating a special grade of CDF Dilecto® laminated plastics until it's pliable, and then forming it in an unheated, inexpensive mold.

Less expensive. When you postform Dilecto parts, you generally save money all around: Lower die costs (often wood or plastics is entirely satisfactory); lower retooling costs to meet new specifications; lower labor costs—these are a few of the savings made possible through postforming of Dilecto.

Why Dilecto? Where you need high strength-to-weight ratio, superior electrical and chemical properties, light weight, easy machinability, and excellent resistance to abrasion, weathering, and moisture—CDF Dilecto laminated plastics give you the best combination. CDF delivers either the Dilecto stock or the completely fabricated parts as specified.

Special Dilecto grades. For better response to severe bends and deep draws, and for the ability to take the most involved forming without fracturing, choose one of the special postforming grades of Dilecto, described in CDF Technical Bulletins 11,110 and 11,140. Most of the standard Dilecto grades, though, can be postformed to some degree.

SMALL ELECTRICAL PARTS BY THE MILLIONS

CDF specializes in the complete fabrication of plastics and fibre components for automotive and aircraft use. These breaker-arm bushings were made from

Dilecto tubing on automatic screw machines, by men who know best how to cut costs in working laminated plastics. Investigate CDF's extensive fabricating facilities—let CDF do the whole job, and assure your own production deadlines.

NEW CDF LITERATURE • *For Bulletins referred to in this advertisement, or for recommendations relating to your current problem in electrical insulation, send this coupon.*

Please send the following Technical Bulletin(s):

☐ Celoron Molded Gears, Bulletin C-58

☐ Dilecto Postforming Grades, Bulletins 11,110 and 11,140

☐ Please have a CDF representative call to discuss my electrical-insulation problems in detail.

Name_____ Title_____

Company_____

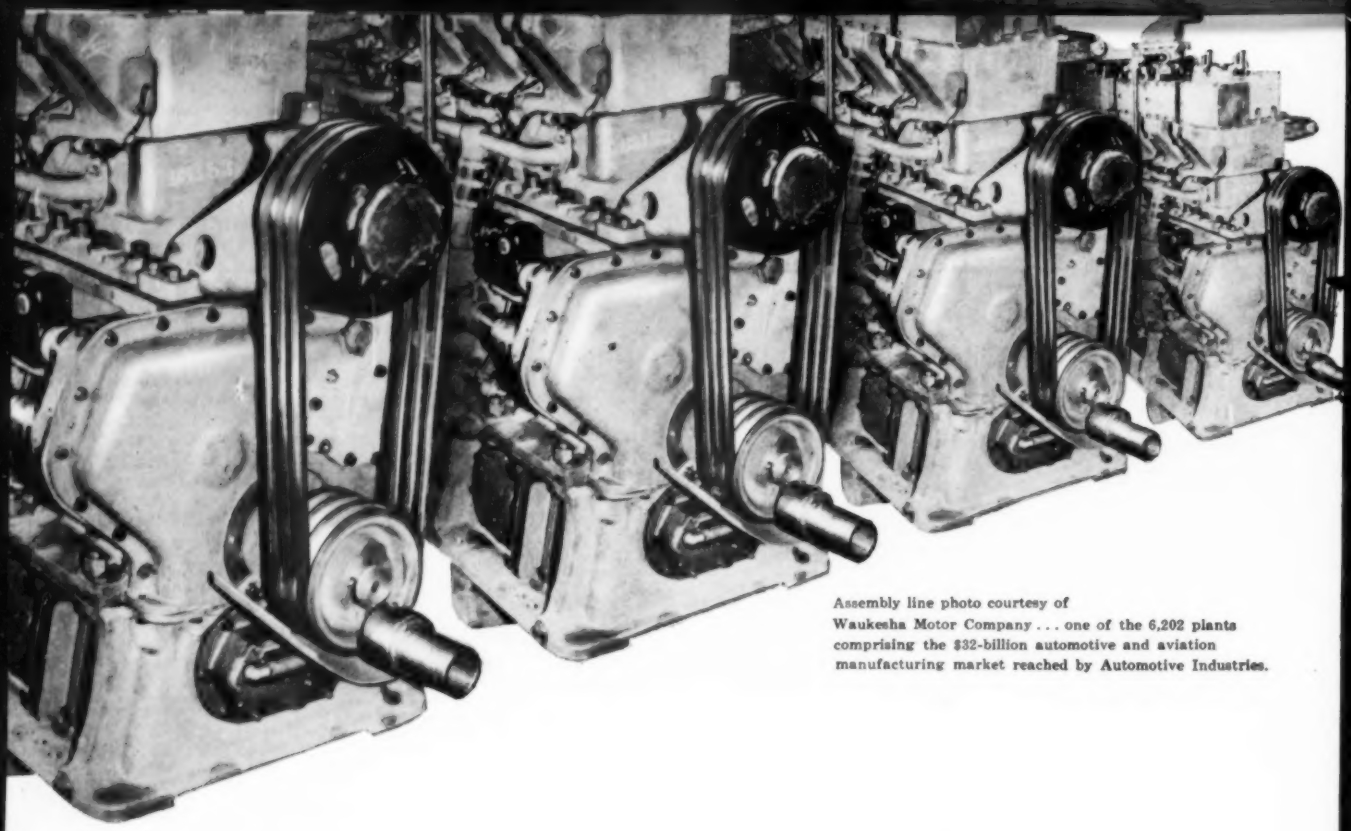
Street Address_____

City_____ Zone_____ State_____

CONTINENTAL-DIAMOND FIBRE

A SUBSIDIARY OF THE Budd COMPANY • NEWARK 2, DEL.

In Canada: Continental-Diamond Fibre of Canada Ltd., 46 Hollinger Road, Toronto 16, Ont.



Assembly line photo courtesy of Waukesha Motor Company . . . one of the 6,202 plants comprising the $32-billion automotive and aviation manufacturing market reached by Automotive Industries.

MORE "FIREPOWER" FOR INDUSTRY DEMANDS MORE "AMMUNITION" FROM YOU

New generators — compressors — pumps — conveyors — drilling rigs — ships and boats — transportation and building equipment — power lawnmowers and chain saws.

Power requirements like these are the reason why MORE THAN TWICE AS MANY gasoline and diesel engines *(excluding* car, bus and truck) were produced last year as in 1953. AND THIS MEANS MORE BUSINESS FOR YOU!

And with the World War II population boom just coming to major consumer age — with more leisure time than ever — with the population shift to the suburbs — with new industrial jobs for internal combustion engines cropping up almost daily — *this doubled output is only the beginning!*

Engine manufacturers know it. Already they are planning for the demand to come — researching new components, studying new methods, parts and machines to build into their engines.

That's why the *time* to sell them is *now* — and the *place* to concentrate your advertising firepower is AI. Engines represent only one "cylinder" of the $32 billion, 8-cylinder AI Market. This is the giant market in metalworking that includes Passenger Cars; Aircraft and Missiles; Trucks, Buses and Trailers; Tractors and Powered Farm Equipment; Construction Equipment and Industrial Trucks; Military Vehicles and Parts and Accessories for original equipment.

Only AI gives you all 8 cylinders! And. The Place to *Keep Selling* is AI . . . contact your nearest rep and learn why!

AUTOMOTIVE INDUSTRIES *A Chilton Publication, Chestnut & 56th Sts., Philadelphia 39, Pa.*

AUTOMOTIVE INDUSTRIES

A CHILTON PUBLICATION

PASSENGER CARS • TRUCKS • BUSES • AIRCRAFT • TRACTORS • ENGINES • BODIES • TRAILERS • ROAD MACHINERY • FARM MACHINERY • PARTS AND COMPONENTS • ACCESSORIES

THE 1960

PRODUCTS GUIDE

- PARTS and COMPONENTS
- PRODUCTION and PLANT EQUIPMENT
- MATERIALS and SUPPLIES

INDEX TO PRODUCT INFORMATION

The Products Guide is arranged in two sections for your convenience. The "Index to Product Information" lists alphabetically, by product, the companies which are providing more complete information on their products and services through advertisements in this issue. Page numbers show location of these advertisements in this issue.

Companies listed without page numbers are not appearing in this issue but have advertised in other A. I. issues during 1959.

If the product is not listed in this index section, turn to the "Products Guide Section" on page 129 for complete listings of products, manufacturers, addresses and brand names.

ABRASIVES
Behr-Manning Div. of Norton Co.
Minnesota Mining & Mfg. Co.
Norton Co.

ACCUMULATORS, Hydraulic
Miller Fluid Power Div. of Flick-Reedy Corp.

ADDITIVES, Chrome Plating
Udylite Corp.

ADDITIVES, Cutting Fluid
Johnson & Son, Inc., S C
Lilly & Co., Eli

ADDITIVES, Oil, Gas and Lubricant
Dow Chemical Co. 28-29
Enjay Co.

ADHESIVES
Marbon Chemical Div., Borg-Warner Corp.
Raybestos-Manhattan, Inc.

AFTERCOOLERS, Compressed Air
Adams Corp., R P

ALLOYS, Nickel
International Nickel Co.
Kelsey-Hayes Co. 6

ALLOYS, Vanadium
Vanadium Corp. of America

ALUMINUM, Sheet, Rod and Alloy
Aluminum Co. of America
Anaconda Aluminum Co.
Kaiser Aluminum & Chemical Corp. ..41 thru 44
Olin Mathieson Chemical Corp.
Pioneer Aluminum, Inc.
Reynolds Metals Co.

AMMETERS, Instrument Board
AC Spark Plug Electronics Div. of GM .. 85
King-Seeley Corp.

AMMETERS And VOLTMETERS
King-Seeley Corp.

ANODES, Electroplating
Allied Research Products, Inc.

ANTI-FREEZE
Dow Chemical Co. 28-29

ATTACHMENTS, Milling Machine
Greenlee Bros. & Co. 36

ATTACHMENTS, Sheet Metal Working
Wales-Strippit, Inc.

AXLE UNITS, Third
Detroit Automotive Products Corp.

AXLES, Front and Rear
Clark Equipment Co.
Dana Corp. 26-27
Rockwell-Standard Corp.
Shuler Axle Co.

AXLES, Trailer
Clark Equipment Co.
Shuler Axle Co.

BALLS, Bearing
Strom Steel Ball Co.

BARRELS, Burnishing and Tumbling
Oakite Products, Inc.

BATTERIES
Globe-Union, Inc.

BEARINGS, Ball
Aetna Ball & Roller Bearing Co.
Bearings Co. of America Div. of Federal-Mogul 16
New Departure Div ..... Back Cover
Torrington Co. 56

BEARINGS, Clutch Throwout
Aetna Ball & Roller Bearing Co.

BEARINGS, Roller
Aetna Ball & Roller Bearing Co.
Bower Roller Bearing Div. 80
Timken Roller Bearing Co.
Torrington Co. 56

BEARINGS, Roller (Needle)
Nadella (France) 110
Torrington Co. 56

BEARINGS and BUSHINGS
Amplex Div. Chrysler Corp. 46
Federal-Mogul Div. 9

BELTS, Timing
Morse Chain Co.

BENDERS, Tube
Imperial Brass Mfg. Co.
Weatherhead Co. 81

BITS, Screwdriving
Continental Screw Co.

BLADES, Aircraft
Kelsey-Hayes Co. 6

BLAST CLEANING APPARATUS
Pangborn Corp.

BLOCKS, Engine
Campbell Wyant and Cannon Foundry Co.

BLUE, Mechanics'
Dykem Co. 294

BOLTS
Buffalo Bolt Co.
National Lock Co. 112
National Screw & Mfg. Co.
Russell Burdsall & Ward Bolt & Nut Co. 67
Republic Steel Corp. 100-101
Southern Screw Co. 13

BONDERIZING and PARKERIZING
Parker Rust Proof Co.

BOOSTERS, Air to Hydraulic
Miller Fluid Power Div. of Flick-Reedy Corp.

BOOTHS, Spraying
Binks Mfg. Co.
DeVilbiss Co.
Mahon Co., H C

BOOTS, Universal Joint
Chicago Rawhide Mfg. Co. 32

BOXES, Gear
Dana Corp. 26-27

BOXES, Spare Parts (Plastic)
Gilbert Plastics, Inc.

BRAKES, Auto, Truck, Bus and Trailer
Automotive & Aircraft Div. American Chain & Cable Co.
Bendix Products Div. Bendix Aviation ... 5
Bendix-Westinghouse Automotive Air Brake Co. 106-107
Eaton Mfg. Co.
Fawick Brake Div., Fawick Corp.
Kelsey-Hayes Co. 6
Midland-Ross Corp. 79
Rockwell-Standard Corp.
Shuler Axle Co.
Wagner Electric Corp. 21

BRAKES, Industrial
Wagner Electric Corp. 21

BRAKES, Press
Verson Allsteel Press Co.

BREAKERS, Circuit
Electric Auto-Lite Co.
Tung-Sol Electric, Inc. 17-18

BROACHES
Sundstrand Machine Tool Div. 30-31

BRUSHES
Osborn Mfg. Co.

BUSHINGS, Jig (Drill)
Ex-Cell-O Corp.

CABLE, Ignition, Starting, Lighting
Packard Electric Div. 71

CABLE, Welding
Air Reduction Sales Co. 22

CAMSHAFTS
Campbell Wyant and Cannon Foundry Co.

CAPS, Gasoline Tank
Eaton Mfg. Co.

CAPS, Oil Filler
Eaton Mfg. Co.

CAPS, Radiator
Eaton Mfg. Co.

CARBURETORS
Carter Carburetor Div.
Century Gas Equipment Marvel-Schebler
Eclipse Machine Div., Bendix
Ensign Carburetor Co.
Holley Carburetor Co.
Marvel-Schebler Products Div.
Rochester Products Div., G M
Zenith Carburetor Div.

CARPET
Detroit Gasket & Mfg. Co.

CASTINGS, Die
Ainsworth-Precision Castings Co.
Brown-Lipe Chapin Div. of GM 45
Doehler-Jarvis Div. of National Lead Co.
Thompson Products Light Metals Div.

CASTINGS, Iron
Campbell Wyant and Cannon Foundry Co.
Central Foundry Div. GM
Eaton Mfg. Co.
Engineering Castings, Inc.
Gray Iron Div., General Malleable Corp.
Perfect Circle Corp.
Wheland Co. Foundry Div. 96

CASTINGS, Steel
Campbell Wyant and Cannon Fdry. Co.
Clark Equipment Co.
Engineering Castings, Inc.

CHAINS, Industrial
Morse Chain Co.

CHAINS, Timing
Diamond Chain Co.
Link-Belt Co. 95
Morse Chain Co.

CHAINS and SPROCKETS, Power Transmission
Link-Belt Co. 95
Morse Chain Co.

CHEMICALS, Electroplating
Metal & Thermit Corp.

CHUCKS, Air
Logansport Machine Co.

CHUCKS, Collet
Seibert & Sons, Inc. 72

CLAMPS, Hose
Corbin Hose Clamp Co.

CLAMPS, Toggle
Detroit Stamping Co.

CLEANERS, Air
AC Spark Plug Electronics Div. 85
Fram Corp.
Purolator Products, Inc.

CLEANERS, Metal
Amchem Products, Inc. 73
Detrex Chemicals Industries, Inc.
Oakite Products, Inc.
Pennsalt Chemicals Corp.

CLIPS, Cable and Tubing
Tinnerman Products, Inc. 24

CLOTH, Tracing
Keuffer & Esser Co. 192

CLUTCHES, Auto, Truck and Bus
Borg-Beck Div., Borg-Warner Corp. 11
Dana Corp. 26-27
Lipe-Rollway Corp. 47
Long Mfg. Div., Borg-Warner Corp.
Rockford Clutch Div., Borg-Warner 82

CLUTCHES, Industrial
Dana Corp. 26-27
Rockford Clutch Div. Borg-Warner 82
Twin Disc Clutch Co. 116-117

CLUTCHES, Over-Running
Spring Div., Borg-Warner Corp.

COATINGS, Protective (Metal Parts)
Allied Research Products, Inc.
Amchem Products, Inc. 73
Detrex Chemical Industries, Inc.
Kendall Co., Polyken Sales Div.
Pennsalt Chemicals Corp.

COILS, Ignition
Electric Auto-Lite Co.

COLORS
Goodrich Chemical Co., B F

COMMUTATORS, Electric Motor
Spring Div., Borg-Warner Corp.

COMPOUNDS, Cutting Fluid
Shell Oil Co.
Standard Oil Co. (Indiana)
Sun Oil Co.
Texaco Inc. 92

COMPOUNDS, Drawing
Amchem Products, Inc. 73
Detrex Chemical Industries, Inc.
Johnson & Son, Inc., S. C.
Pennsalt Chemicals Corp.

COMPOUNDS, Grinding
King Graphite Products Co.
Texaco Inc. 92

COMPOUNDS, Heat Treating
Detrex Chemical Industries, Inc.

COMPOUNDS, Paint Bonding
Amchem Products Co. 73
Detrex Chemical Industries, Inc.
Parker Rust Proof Co.
Pennsalt Chemicals Corp.

COMPOUNDS, Phosphate Coating
Amchem Products, Inc. 73
Detrex Chemical Industries, Inc.
Pennsalt Chemicals Corp.

COMPOUNDS, Plating
Allied Research Products, Inc.
Pennsalt Chemicals Corp.
Udylite Corp.

COMPOUNDS, Rust Preventing and Removing
Amchem Products, Inc. 73
Detrex Chemical Industries, Inc.
Oakite Products, Inc.
Parker Rust Proof Co.
Standard Oil Co. (Indiana)
Young Radiator Co.

COMPOUNDS, Spray Booth
Detrex Chemical Industries, Inc.
Oakite Products, Inc.

COMPOUNDS, Wear Resisting
Parker Rust Proof Co.

COMPRESSORS, Air
Bendix-Westinghouse Automotive Air Brake Co. 106-107
Binks Mfg. Co.
Chicago Pneumatic Tool Co. 48
DeVilbiss Co.
Midland-Ross Corp. 79
Wagner Electric Corp. 21

CONNECTIONS, Hose
DeVilbiss Co.

CONNECTORS, Wiring Harness
AMP, Inc. 15

CONTACTS, Electrical
Mallory & Co., P R 69

CONTROL SYSTEMS, Electrical
Eaton Mfg. Co.

CONTROLS, Gear Shift
Fuller Mfg. Co.

CONTROLS, Push-Pull
Automotive & Aircraft Div., American Chain & Cable Co. 294

CONTROLS, Turbocharger
Garrett Corp., AiResearch Industrial Div.

CONVERTERS, LP-Gas (For Internal Combustion Engines)
Century Gas Equipment Marvel-Schebler

CONVERTERS, Torque
Borg-Beck Div., Borg-Warner Corp. 11
Clark Equipment Co.
Dana Corp. 26-27
Long Mfg. Div., Borg-Warner Corp.
Twin Disc Clutch Co. 116-117

COOLANT SYSTEMS, Mist
DeVilbiss Co.

COOLERS, Oil
G & O Mfg. Co.
Long Mfg. Div., Borg-Warner Corp.
Young Radiator Co.

COOLERS, Torque Converter
Young Radiator

CORES, Radiator
Auto Radiator Mfg. Co.

COUPLINGS, Electro-Magnetic
Eaton Mfg. Co.

COUPLINGS, Fluid Line
Hansen Mfg. Co.

COUPLINGS, Fluid (Machinery)
Twin Disc Clutch Co. 116-117

CRANES, Overhead
Borg-Warner Industrial Cranes

CRANKSHAFTS
Central Foundry Div., GM
Campbell Wyant and Cannon Foundry Co.

CUPS, Leather
Chicago Rawhide Mfg. Co. 32

CUSHIONS, Die
Verson Allsteel Press Co.

CUSTOM-PRODUCTION SERVICE (Rubber and Latex)
Firestone Rubber & Latex Products Co.

CUTTERS, Milling
Tomkins-Johnson Co.

CUTTERS, Tubing
Imperial Brass Mfg. Co.
Weatherhead Co. 81

CYLINDERS, Air and Hydraulic
Logansport Machine Co.
Miller Fluid Power Div. Frick-Reedy
Ortman-Miller Machine Co.
Rivett, Inc.
Tomkins-Johnson Co.
Vickers, Inc.

DAMPERS, Vibration (Engine)
Schwitzer Corp.
World Bestos Div. of Firestone

DASHES
Detroit Gasket & Mfg. Co.

DETECTORS, Flame
Minneapolis-Honeywell Regulator Co.

DIAMONDS, Industrial
Wheel Trueing Tool Co.

DIES, Cutting
Bernal Tool & Machine Co.

DIE SETS, Forging, Stamping Etc.
Danly Machines Specialties, Inc.

DIFFERENTIALS
Dana Corp. 26-27
Detroit Automotive Products Corp.
Eaton Mfg. Co.
Fairfield Mfg. Co. 70
Rockwell-Standard Corp.
Saco-Lowell Automotive Div.
Warner Automotive Div. Borg-Warner Corp.

DISCS, Clutch
Ingersoll Steel Div. Borg-Warner Corp.
Spring Div. Borg-Warner Corp.

DISCS, Wheel
Brown-Lipe-Chapin Div. of GM 45
Ingersoll Products Div. Borg-Warner Corp.

DISTRIBUTORS, Ignition
Electric Auto-Lite Co.
Holley Carburetor Co.

DRESSERS, Grinding Wheel
Wheel Trueing Tool Co.

DRILLS, Portable Pneumatic
Airetool Mfg. Co.
Cleco Div. of Reed Roller Bit Co. 93

DRIVERS, Screw
Airetool Mfg. Co.
Chicago Pneumatic Tool Co. 48
Cleco Div. of Reed Roller Bit Co. 93

DRIVES, Engine, Fan, Generator, Etc.
Eaton Mfg. Co.
Schwitzer Corp.

DRIVES, Starter (Auto)
Eclipse Machine Div. Bendix

DRIVES, V-Belt
Dayton Industrial Products Co.

DRIVES, Variable Speed
Eaton Mfg. Co.

DRUMS, Brake
Campbell, Wyant & Cannon Foundry Co.
Kelsey-Hayes Co. 6

DYNAMOMETERS
Eaton Mfg. Co.

ENGINES, Butane and LP-G
Waukesha Motor Co. 91

ENGINES, Diesel
Allis-Chalmers Mfg. Co.
Cerlist Diesel, Inc.
Chicago Pneumatic Tool Co. 48
Continental Motors Corp.
Hamilton Div. Baldwin-Lima-Hamilton Co.
Waukesha Motor Co. 91

ENGINES, Gasoline
Chrysler Corp.
Continental Motors Corp.
Waukesha Motor Co. 91

ENGINES, Industrial
Chrysler Corp.
Ford Motor Co.

EXCHANGERS, Heat
Adams Co., R. P.
Young Radiator Co.

EXTRUSIONS, Aluminum
Detroit Gasket & Mfg. Co.

FABRIC, Coated Cloth (For Parts)
du Pont de Nemours & Co., E. I.
Vulcan Rubber Products Div., Reeves Bros., Inc.

FACINGS, Clutch
Raybestos-Manhattan, Inc.
Rockford Clutch Div., Borg-Warner Corp. 82
World Bestos Div. of Firestone

FANS, Radiator
Schwitzer Corp.

FASTENERS
Carr Fastener Corp.
Huck Mfg. Co.
National Lock Co. 112
Palnut Co.
Shakeproof Div. Illinois Tool Works
Tinnerman Products, Inc. 24

FEEDERS, Machine Tool
Dexter Co.

FELT
Continental Felt Co. 177
Western Felt Works 10

FIBRE,
Armstrong Cork Co. 75
Taylor Fibre Co. 8

FILTERS, Air (Machinery)
Adams Co., R P
Alemite Div., Stewart-Warner Corp.
Cleco Div. of Reed Roller Bit Co. 93

FILTERS, Fuel
AC Spark Plug Electronics Div. of GM... 85
Century Gas Equipment Marvel-Schebler Products Div., Borg-Warner Corp.
Ensign Carburetor Co.
Fram Corp.
Hartford Machine Screw Co.
Luber-Finer Inc.
Purolator Products, Inc.

FILTERS, Oil
AC Spark Plug Electronics Div. of GM .. 85
Fram Corp.
Purolator Products, Inc.

FINISHING SYSTEMS
DeVilbiss Co.
du Pont de Nemours & Co., E I
Mahon Co. H C

FITTINGS, Lubricating
Alemite Div., Stewart-Warner Corp.

FITTINGS, Tube
Imperial Brass Mfg. Co.
Weatherhead Co. 81

FLASHERS, Directional Signal (Auto)
Tung-Sol Electric, Inc. 17-18

FLOCK
Cellusede Products, Inc.

FLOWMETERS
Air Reduction Sales Co. 22

FLUID, Hydraulic
Sun Oil Co.

FLUID, Hydraulic Brake
Dow Chemical Co. 28-29
Wagner Electric Corp. 21

FLUID, Starting (Engine)
Spray Products Corp.

FLUID, Transmission
Dow Chemical Co. 28-29

FOLLOWERS, Cam
Nadella (France) 110

FORGINGS
Ainsworth-Precision Castings Co.
Dana Corp. 26-27
Wyman-Gordon Co.

FRAMES, Auto
Dana Corp. 26-27
Midland-Ross Corp. 79

FRAMES, Window
Detroit Gasket Mfg. Co.

FRICTION MATERIAL
Raybestos-Manhattan, Inc.

FURNACES
Lindbergh Engrg. Co. 108

GAGES, Air Pressure
AC Spark Plug Electronics Div. of GM .. 85

GAGES, Automatic
Sheffield Corp.

GAGES, Gasoline
King-Seeley Corp.

GAGES, Oil Level and Pressure
King-Seeley Corp.

GAGES, Oil and Water
AC Spark Plug Electronics Div. of GM .. 85

GAGES, Water Temperature
King-Seeley Corp.

GAS, Welding
Air Reduction Sales Co. 22

GASKETS
Armstrong Cork Co. 75
Auburn Mfg. Co.
Detroit Gasket & Mfg. Co.
Fitzgerald Mfg. Co. 293
Garlock Packing Co. 76
Vellumoid Co.
Victor Mfg. & Gasket Co. 7

GASOLINE
Sun Oil Co.

GEAR MATERIAL
Continental-Diamond Fibre Corp. 119

GEARS, Steering
Bendix Products Div. Bendix 5
Garrison Mfg. Co.
Ross Gear & Tool Co.

GEARS, Timing
Continental-Diamond Fibre Co..... 119

GEARS, Transmission
Cotta Transmission Co.
Fairfield Mfg. Co..... 70

GEARS, Worm Drive
Fairfield Mfg. Co..... 70

GEARS and PINIONS
Chicago Rawhide Mfg. Co..... 32
Fairfield Mfg. Co..... 70
Saco-Lowell Automotive Div.

GENERATORS, Auto and Truck
Delco-Remy Div. of GM
Electric Auto-Lite Co.

GOVERNORS, Engine
Electric Auto-Lite Co.
King-Seeley Corp.

GREASE
Dow Corning Corp. 103
Standard Oil Co. (Indiana)
Sun Oil Co.

GRILLES, Radiator
Detroit Gasket & Mfg. Co.

GRINDERS, Portable Electric
Chicago Pneumatic Tool Co..... 48

GRINDERS, Portable Pneumatic
Cleco Div. of Reed Roller Bit Co..... 93

GROMMETS, Rubber
Goshen Rubber Co.
Western Rubber Co.

GUIDES, Valve (Engine)
Eaton Mfg. Co.

HAMMERS, Power
Chambersburg Engrg. Co.

HEADS, Boring
Greenlee Bros. & Co..... 36
Heald Machine Co.....2nd Cover

HEATERS, Auto, Truck and Bus
Evans Products Co.
G & O Mfg. Co.

HEATERS, Induction
Induction Heating Corp.
Lindbergh Engrg. Co..... 108

HEATERS, Paint
Binks Mfg. Co.
DeVilbiss Co.

HOISTS
Yale & Towne Mfg. Co.

HOLDERS, Tool
Hy-Pro Tool Co.
Seibert & Sons, Inc..... 72

HONES, Cylinder
Micromatic Hone Corp..... 293

HORNS, Air
Bendix-Westinghouse Automotive Air Brake Co. 106-107
Wagner Electric Corp..... 21

HOSE
Air Reduction Sales Co..... 22
Weatherhead Co. 81

HOSE ASSEMBLIES
Weatherhead Co. 81

HUBS
Kelsey-Hayes Co. 6

INJECTION SYSTEMS, Engine
Hartford Machine Screw Co.
Marvel-Schebler Products Div.

INSERTS, Screw Thread
Heli-Coil Corp. 111

INSTRUMENTS, Precision Measuring
Sheffield Corp.

INSULATION, Flock
Cellusede Products, Inc.

INTERCOOLERS
Young Radiator Co.

INVERTERS, Auto
AC Spark Plug Electronics Div. of GM.. 85

IRON, Pig
Republic Steel Corp.....100-101

JOINTS, Ball
Thompson Products Michigan Div..... 33
Tourek Mfg. Co., J. J.

JOINTS, Power Take-Off
Dana Corp. 26-27
Rockwell-Standard Corp.

JOINTS, Universal
Dana Corp. 26-27
Lord Mfg. Co.
Mechanics Universal Joint Div. Borg-Warner Corp.
Rockwell-Standard Corp.
Saco-Lowell Automotive Div.
Seibert & Sons, Inc..... 72

LADLING UNITS, Automatic
Lindberg Engrg. Co. 108

LAMPS or BULBS, Miniature Incandescent
Hudson Lamp Co.
Tung-Sol Electric, Inc. 17-18

LAMPS, Fluorescent (Portable)
Day-Ray Products, Inc.

LAMPS, Head
Tung-Sol Electric, Inc. 17-18

LAMPS, Marker, Rear and Stop
K-D Lamp Co.

LATHES, Automatic
Gisholt Machine Co. 14
Sundstrand Machine Tool Div. 30-31

LATHES, Brake Drum
Sundstrand Machine Tool Div. 30-31

LATHES, Chucking
Gisholt Machine Co. 14

LATHES, Copying
New Britain Machine Co. New Britain Gridley Machine Div. 19-20

LATHES, Engine and Tool Room
Clearing Div. of U. S. Industries, Inc.

LATHES, Turret
Bullard Co.
Gisholt Machine Co. 14

LEVELERS, Sheet Metal
Yoder Co. 94

LINING, Brake and Transmission
American Brakeblok Div. American Brake Shoe Co.
Kelsey-Hayes Co. 6
Raybestos-Manhattan Co.
Wagner Electric Corp. 21
World Bestos Div. of Firestone

LUBRICANTS, Gear
Monsanto Chemical Co.

LUBRICATORS, Air Line
Alemite Div. Stewart-Warner Corp.
Cleco Div. of Reed Roller Bit Co. 93

LUBRICATORS, For Machinery (Central System)
Alemite Div. Stewart-Warner Corp.

LUBRICATORS, Portable
Alemite Div. Stewart-Warner Corp.

MACHINES, Automatic Assembly
Cross Co.
Sheffield Corp.

MACHINES, Automatic Transfer
Baush Machine Tool Co.
Cross Co.
Ex-Cell-O Corp.
Greenlee Bros. & Co. 36
Heald Machine Co. 2nd Cover
Moline Tool Co. 84
Snyder Corp.
Sundstrand Machine Tool Div. 30-31
Verson Allsteel Press Co.

MACHINES, Balancing (Industrial)
Gisholt Machine Co. 14

MACHINES, Balancing (Wheel)
Micro-Pose Engrg. & Sales Co.

MACHINES, Bar (Automatic)
Greenlee Bros. & Co. 36
New Britain Machine Co. New Britain-Gridley Machine Div. 19-20

MACHINES, Bender-Cutter
Richards Co., J. A. 90

MACHINES, Boring (Horizontal and Vertical)
Bullard Co.
Ex-Cell-O Corp.
Greenlee Bros. & Co. 36
Moline Tool Co. 84
New Britain Machine Co. New Britain-Gridley Machine Div. 19-20

MACHINES, Boring, Drilling, Tapping
Bullard Co.
Moline Tool Co. 84

MACHINES, Boring, Facing, Turning Etc.
Bullard Co.
Cross Co.
Ex-Cell-O Corp.
Heald Machine Co. 2nd Cover
Sundstrand Machine Tool Div. 30-31

MACHINES, Broaching
Chicago Pneumatic Tool Co. 48
Cincinnati Milling Machine Co.
Sundstrand Machine Tool Div. 30-31

MACHINES, Brushing
Osborn Mfg. Co.

MACHINES, Chucking
New Britain Machine Co. New Britain-Gridley Machine Div. 19-20

MACHINES, Coating
DeVilbiss Co.
Mahon Co., H. C.

MACHINES, Cutting-Off
Richards Co., J. A. 90
Yoder Co. 94

MACHINES, Degreasing and Washing
Detrex Chemical Industries, Inc.
DeVilbiss Co.
Mahon Co., H. C.
Pennsalt Chemicals Corp.

MACHINES, Die Casting
Greenlee Bros. & Co. 36

MACHINES, Die Making (Steel Rule)
Richards Co., J. A. 90

MACHINES, Die Sinking
Cincinnati Milling Machine Co.

MACHINES, Drawing
Ajax Mfg. Co.
Greenlee Bros. & Co. 36

MACHINES, Drilling, Reaming, Tapping
Baush Machine Tool Co.
Bullard Co.
Greenlee Bros. & Co. 36
Kingsbury Machine Tool Corp.
Moline Tool Co. 84
Sundstrand Machine Tool Div. 30-31

MACHINES, Electrical Discharge
Cincinnati Milling Machine Co.

MACHINES, Extruding
Verson Allsteel Press Co.

MACHINES, Forging
Ajax Mfg. Co.
Chambersburg Engrg. Co.

MACHINES, Forming (Cold Roll)
Fellows Gear Shaper Co.
Yoder Co. 94

MACHINES, Forming (Metal)
Fellows Gear Shaper Co.

MACHINES, Gear Cutting, Hobbing, Shaving
Fellows Gear Shaper Co.

MACHINES, Grinding
Cincinnati Milling Machine Co.
Heald Machine Co. 2nd Cover
Norton Co.
Sundstrand Machine Tool Div. 30-31

MACHINES, Honing
Micromatic Hone Corp. 293
Moline Tool Co. 84

MACHINES, Lapping
Norton Co.

MACHINES, Milling
Cincinnati Milling Machine Co.
Kent-Owens Machine Co.
Sundstrand Machine Tool Div. 30-31

MACHINES, Painting (Spray)
DeVilbiss Co.

MACHINES, Pickling
Lindbergh Engrg. Co. 108
Mahon Co., H. C.
Pennsalt Chemicals Corp.

MACHINES, Plating
Allied Research Products, Inc.
Metal & Thermit Corp.
Udylite Corp.

MACHINES, Profiling
Ex-Cell-O Corp.

MACHINES, Punching
Richards Co., J. A. 90

MACHINES, Riveting (Metal)
Milford Rivet & Machine Co. 94
Tomkins-Johnson Co.

MACHINES, Rust Proofing
Mahon Co., H. C.

MACHINES, Sawing (Die)
Richards Co., J. A. 90

MACHINES, Slitting
Yoder Co. 94

MACHINES, Superfinishing
Gisholt Machine Co. 14

MACHINES, Thread Cutting, Grinding, Milling
Ex-Cell-O Corp.
Gisholt Machine Co. 14
Sundstrand Machine Tool Div. 30-31

MACHINES, Tube Making
Yoder Co. 94

MACHINES, Uncoiling
Yoder Co. 94

MACHINES, Wiring Harness
AMP, Inc. 15

METALS, Bearing
United States Gasket Div. of Garlock 76

METALS, Perforated
Harrington & King Perforating Co. 96

METALS, Powdered
Republic Steel Corp. 100-101

METERS, Fuel
Holley Carburetor Co.

METERS or ODOMETERS
King-Seeley Corp.

MIRRORS, Rear View
K-D Lamp Co.

MOLYBDENUM
Molybdenum Corp. of America

MOTORS, Electric
Electric Auto-Lite Co.
Lamb Electric Co. 74
Minneapolis-Honeywell Regulator Co.
Wagner Electric Corp. 21

MOTORS, Hydraulic
Vickers, Inc.

MOTORS, Starting
Bendix-Westinghouse Automotive Air-Brake Co. 106-107
Delco-Remy Div. of GM
Electric Auto-Lite Co.
Schwitzer Corp.

MOUNTINGS, Rubber Insulated
Lord Mfg. Co.

NIBBLERS, Portable Electric
Modern Mfg. Co.

NICKEL
International Nickel Co.

NOZZLES, Air
Cleco Div. of Reed Roller Bit Co. 93

NUTS
Buffalo Bolt Co.
Carr Fastener Corp.
Midland-Ross Corp. 79
National Machine Products Co.
National Screw & Mfg. Co.
Palnut Co.
Republic Steel Corp.
Southern Screw Co. 13
Tinnerman Products, Inc. 24

OILS, Lubricating
Standard Oil Co. (Indiana)
Sun Oil Co.

OVENS
DeVilbiss Co.
Mahon Co., H. C.

PACKING
Auburn Mfg. Co.
Chicago Rawhide Mfg. Co. 32
Excelsior Leather Washer Mfg. Co.
Garlock Packing Co. 76
Goshen Rubber Co.
National Seal Div. Federal-Mogul 78
Raybestos-Manhattan, Inc.
Trostel Packings Ltd., Albert. 102
Victor Mfg. & Gasket Co. 7
World Bestos Div. of Firestone

PANELS, Door
Detroit Gasket & Mfg. Co.

PANELS, Instrument
AC Spark Plug Electronics Div. of GM.. 85
King-Seeley Corp.
Miller Dial & Name Plate Co.

PARTS, Air Conditioning
Controls Co. of America

PARTS, Brake
Bendix-Westinghouse Automotive Air Brake Co. 106-107
Fawick Brake Div. Fawick Corp.
Wagner Electric Corp. 21

PARTS, Clutch
Rockford Clutch Div. Borg-Warner Corp. 82

PARTS, Filter, Heater and Muffler
Melvina Can Machinery Co.

PARTS, Metallic Powder
Amplex Div. Chrysler Corp. 46
Moraine Products Div. of GM
Raybestos-Manhattan, Inc.

PARTS, Power Steering
Sealed Power Corp. 54
Thompson Products Michigan Div. 33

PARTS, Steering Gear
Thompson Products Michigan Div. 33

PARTS, Torque Converter
Spring Div. Borg-Warner Corp.

PARTS, Transmission
Sealed Power Corp. 54
Spring Div. Borg-Warner Corp.
Thompson Products Michigan Div. 33
Thompson Products Motor Equipment Mfg. Div.
Wausau Motor Parts Co.

PARTS, Truck Body
Molded Fibre Glass Body Co.

PINS, Cotter
National Screw & Mfg. Co.

PINS, Piston
Thompson Products Motor Equipment Mfg. Div.

PISTONS
Gillette & Eaton, Inc.
Thompson Products Light Metals Div.
Zollner Corp. ..... 3rd Cover

PLASTICS, Foam
Airthane Corp.
National Aniline Div. Allied Chemical Plastics Corp.

PLASTICS, Laminated
Continental-Diamond Fibre Corp. 119
Raybestos-Manhattan, Inc.
Taylor Fibre Co. 8

PLASTICS, Material
Dow Chemical Co. 28-29
du Pont de Nemours & Co., E. I.
Goodrich Chemical Co., B. F.
Marbon Chemical Div. Borg-Warner Corp.
Mobay Chemical Co.
Molded Fibre Glass Body Co.

PLASTICS, Molded
Ainsworth-Precision Castings Co.
Dow Chemical Co. 28-29
Garlock Packing Co. 76
Gisholt Machine Co. 14
Raybestos-Manhattan, Inc.
Structural Fibers, Inc. 112

PLASTICS, Sheets, Rods, Tubes
Continental-Diamond Fibre Corp. 119
Dow Chemical Co. 28-29
du Pont de Nemours & Co., E. I.
Ryerson & Son, Inc., Joseph T.

PLATES, Name
Miller Dial & Name Plate Co.

PLATES, Surface
Ex-Cell-O Corp.

PLUGS, Pipe
National Screw & Mfg. Co.
Tourek Mfg. Co., J. J.

PLUGS, Spark
AC Spark Plug Electronics Div. of GM.. 85

PLUGS, Testing (Adjustable)
Moeller Mfg. Co.

POWER UNITS
Baush Machine Tool Co.
Chrysler Corp.
Ford Motor Co.
Logansport Machine Co.
Rivett, Inc.
Vickers, Inc.

PRESSES, Forging
Ajax Mfg. Co.

PRESSES, Hydraulic
Clearing Div. of U. S. Industries, Inc.
Hannifin Co.
Logansport Machine Co.
Verson Allsteel Press Co.

PRESSES, Mechanical
Danly Machine Specialties, Inc.
Hamilton Div. Baldwin-Lima-Hamilton Co.
Verson Allsteel Press Co.

PRESSES, Plastic Molding
Fellows Gear Shaper Co.

PRESSES, Punching
Federal Machine & Welder Co.

PRESSES, Sheet Metal Working
Clearing Div. of U. S. Industries, Inc.
Danly Machine Specialties, Inc.
Federal Machine & Welder Co.
Hamilton Div. Baldwin-Lima-Hamilton Co.
Sundstrand Machine Tool Div. 30-31
Verson Allsteel Press Co.

PRESSES, Trimming
Greenlee Bros. & Co. 36

PRESSES, Welding
Federal Machine & Welder Co.

PUMPS, Barrel Emptying (Pneumatic)
Alemite Div. Stewart-Warner Corp.
Binks Mfg. Co.

PUMPS, Fuel (Auto)
AC Spark Plug Electronics Div. of GM.. 85
Titan Pump & Engrg. Corp.

PUMPS, Hydraulic
Chicago Pneumatic Tool Co. 48
Eaton Mfg. Co.
Long Mfg. Div. Borg-Warner Corp.
Thompson Products Michigan Div. 33
Vickers, Inc.

PUMPS, Oil Circulating (Engine)
Schwitzer Corp.

PUMPS, Vacuum
Chicago Pneumatic Tool Co. 48

PUMPS, Water Circulating (Auto)
Schwitzer Corp.
Thompson Products Motor Equipment Mfg. Div.

RADIATORS, Engine Cooling
Auto Radiator Mfg. Co.
G & O Mfg. Co.
Long Mfg. Div. Borg-Warner Corp.
Young Radiator Co.

REDUCERS, Speed
Cotta Transmission Co.
Rockford Clutch Div. Borg-Warner Corp. 82

REFLECTORS, Safety
K-D Lamp Co.

REGULATORS, Air Pressure
Air Reduction Sales Co. 22
Alemite Div. Stewart-Warner Corp.
Cleco Div. of Reed Roller Bit Co. 93

REGULATORS, Generator Current and Voltage
Delco-Remy Div.
Electric Auto-Lite Div. of GM
King-Seeley Corp.

REGULATORS, Oil Temperature
G & O Mfg. Co.

REGULATORS and VAPORIZERS, LP-Gas
Ensign Carburetor Co.

RELAYS
Electric Auto-Lite Co.

RESINS, Synthetic
Dow Chemical Co. 28-29

RETAINERS, Nut
Tinnerman Products, Inc. 24

RETAINERS, Rod
Palnut Co.

RETAINERS, Valve
Chicago Screw Co.
Thompson Products Valve Div.

RETARDERS, Truck
Thompson Products Michigan Div. 33

RINGS, Piston
Campbell, Wyant and Cannon Fdry. Co.
McQuay-Norris Mfg. Co.
Perfect Circle Corp.
Sealed Power Corp. 54
Thompson Products Ramco Div.
Wausau Motor Parts Co.

RINGS, Retaining Snap and Spacer
Thompson Products Ramco Div.
Waldes-Kohinoor, Inc.

RINGS and SEALS, Oil and Grease Retaining
Acadia Div. Western Felt Works. 10
Chicago Rawhide Mfg. Co. 32
Fitzgerald Mfg. Co. 293
Garlock Packing Co. 76
National Seal Div. Federal-Mogul-Bower 78
Trostel Packings, Ltd., Albert. 102
Victor Mfg. & Gasket Co. 7

RIVETS
Milford Rivet & Machine Co. 94
National Screw & Mfg. Co.

RODS, Push
Chicago Screw Co.

RODS, Radius
Thompson Products Michigan Div. 33

RODS, Welding
Air Reduction Sales Co. 22

ROLLERS, Needle
Nadella (France) 110

ROLLS, Forging
Ajax Mfg. Co.

ROTATORS, Valve
Thompson Products Valve Div.

RUBBER, Bonded to Metal
Goshen Rubber Co.
Lord Mfg. Co.
Ohio Rubber Co.

RUBBER, Molded (Natural)
Garlock Packing Co..... 76
Goshen Rubber Co.
Ohio Rubber Co.
Western Rubber Co.

RUBBER, Silicone
Dow Corning Corp..... 103
Goshen Rubber Co.

RUBBER, Silicone (Processed)
Goshen Rubber Co.
Ohio Rubber Co.

RUBBER, Synthetic
Chicago Rawhide Mfg. Co..... 32
du Pont de Nemours & Co., E. I.
Enjay Co.
Goodrich Chemical Co., B. F.

RUBBER, Synthetic (Processed)
Acadia Div. Western Felt Works..... 10
Garlock Packing Co..... 76
Goshen Rubber Co.
Ohio Rubber Co.

SAFEGUARDS, Flame (Industrial Burner)
Minneapolis-Honeywell Regulator Co.

SANDERS, Portable Pneumatic
Airetool Mfg. Co.

SCREW MACHINE PRODUCTS
Tourek Mfg. Co., J. J.

SCREWS, Ball Bearing
Eaton Mfg. Co.
Saginaw Steering Gear Div.

SCREWS, Cap and Set
Buffalo Bolt Co.
Republic Steel Co.....100-101
Russell, Burdsall & Ward Bolt & Nut Co. 67

SCREWS, Machine
Continental Screw Co.
National Lock Co..... 112
National Screw & Mfg. Co.
Southern Screw Co..... 13

SCREWS, Self-Tapping, Thread Cutting
Continental Screw Co.
National Lock Co..... 112
Shakeproof Div. of Illinois Tool Works
Southern Screw Co..... 13

SCREWS, Sheet Metal
Continental Screw Co.

SCREWS, Valve Tappet Adjusting
Chicago Screw Co.

SCREWS, Wood
Continental Screw Co.
Southern Screw Co..... 13

SCREWS and BOLTS, Recessed Head
Continental Screw Co.

SCREWS and BOLTS, Self-Locking
Chicago Screw Co.
Continental Screw Co.
National Screw & Mfg. Co.
Russell, Burdsall & Ward Bolt & Nut Co. 67

SEALANTS, for Bolts and Nuts
American Sealants Co.

SEALS, Mechanical Shaft
Garlock Packing Co..... 76
Schwitzer Corp.
Victor Mfg. & Gasket Co..... 7

SEALS, Metallic Bellow
Chicago Rawhide Mfg. Co..... 32

SEALS, Valve
Perfect Circle Corp.

SEATS, Valve
Eaton Mfg. Co.
Thompson Products Valve Div.
Wausau Motor Parts Co.

SEPARATORS, Compressed Air
Adams Co., R. P.

SETTERS, Stud, Nut, Bolt & Screw
Airetool Mfg. Co.
Chicago Pneumatic Tool Co..... 48
Cleco Div. Reed Roller Bit Co. 93
Tomkins-Johnson Co.

SHAFTING, Flexible
AC Spark Plug Electronics Div. of GM.. 85
Stewart Mfg. Corp., F. W.
Stow Mfg. Co.

SHAFTS, Propeller
Dana Corp. 26-27
Mechanics Universal Joint Div.
Rockwell-Standard Corp.
U. S. Axle Co.

SHAFTS, Rear Axle
Rockwell-Standard Corp. ..
Saco Lowell Automotive Div.
U. S. Axle Co.

SHAFTS, Valve Rocker Arm
Chicago Screw Co.

SHEARS, Slitting
Yoder Co. 94

SHIMS
Auburn Mfg. Co.
Detroit Stamping Co.

SHOCK ABSORBERS
Monroe Auto Equipment Co.

SHOES, Brake
Wagner Electric Corp..... 21

SIGNALS, Direction Indicating
K-D Lamp Co.

SIGNALS, Excess Speed
King-Seeley Corp.

SIGNALS, Low Air Brake
Wagner Electric Corp..... 21

SIGNALS, Warning
AC Spark Plug Electronics Div. GM.... 85
King-Seeley Corp.

SILICONE FLUIDS
Dow Corning Corp..... 103

SLEEVES, Cylinder
Campbell, Wyant & Cannon Fdry. Co.
Sealed Power Corp..... 54
Thompson Products Michigan Div..... 33

SOLVENTS, Oil, Grease Removing
Detrex Chemical Industries, Inc.
Dow Chemical Co.....28-29
du Pont de Nemours & Co., E. I.
Oakite Products Co.

SPACERS
Detroit Stamping Co.

SPEEDOMETERS
AC Spark Plug Electronics Div. GM.... 85
King-Seeley Corp.

SPINDLES, Drilling and Grinding
Ex-Cell-O Corp.
Seibert & Sons, Inc..... 72

SPRAYERS, Composition, Paint, Lacquer
Binks Mfg. Co.
DeVilbiss Co.
Ransburg Electro-Coating Co.

SPRINGS, Flat or Coil
Automatic Spring Coiling Co.
Burton Auto Spring Corp..... 58
Spring Div. Borg-Warner Corp.

SPRINGS, Helper
Monroe Auto Equipment Co.

SPRINGS, Leaf
Burton Auto Spring Corp..... 58
Mather Spring Co.

STAMPINGS, Metal
Ackerman Mfg. Co.
Ainsworth-Precision Castings Co.
Borg-Beck Div. Borg-Warner Corp..... 11
Brown-Lipe Chapin Div. of GM..... 45
Dana Corp. 26-27
Detroit Stamping Co.
Ingersoll Products Div. Borg-Warner
Kelsey-Hayes Co. 6
Lansing Stamping Co.
Long Mfg. Div. Borg-Warner Corp.
Spring Div. Borg-Warner Corp.

STARTERS, Motor (For Factories)
Westinghouse Electric Corp. Control Div.

STEEL, Alloy
Bethlehem Steel Co..... 1
Byers Co., A. M.
Copperweld Steel Co. Aristoloy Steel Div.
Great Lakes Steel Corp.....104-105
Ingersoll Steel Div. Borg-Warner Corp.
Republic Steel Corp.....100-101
Ryerson & Son, Inc., Joseph T.
Superior Steel Div. of Copperweld..... 18
Timken Roller Bearing Co.
United States Steel Corp..... 25, 34-35, 118
Youngstown Sheet & Tube Co.

STEEL, Bar
Copperweld Steel Co. Aristoloy Steel Div.
LaSalle Steel Co..... 97
Republic Steel Corp.....100-101
Ryerson & Son, Inc., Joseph T.
Youngstown Sheet & Tube Co.

STEEL, High Strength
Alan Wood Steel Co..... 12
Great Lakes Steel Co.....104-105
United States Steel Corp..... 25, 34-35, 118

STEEL, High Temperature
Universal Cyclops Steel Corp.

STEEL, Sheet
Alan Wood Steel Co..... 12
Armco Steel Corp.
Bethlehem Steel Co..... 1
Ingersoll Steel Div. Borg-Warner Corp.
Inland Steel Co.
McLouth Steel Corp..... 115
Republic Steel Corp.....100-101
Ryerson & Son, Inc., Joseph T.
Weirton Steel Co.
Youngstown Sheet & Tube Co.

STEEL, Spring
American Steel & Wire Div..... 25
Roebling's Sons Corp., John A.
Superior Steel Div. of Copperweld..... 18

STEEL, Stainless
Allegheny Ludlum Steel Corp..... 83
American Steel & Wire Div..... 25
Armco Steel Corp.
Byers Co., A. M.
Copperweld Steel Co. Aristoloy Steel Div.
Crucible Steel Co. of America 77
Ingersoll Steel Div. Borg-Warner Corp.
Jones & Laughlin Steel Corp..... 109
McLouth Steel Corp..... 115
Republic Steel Corp.....100-101
Ryerson & Son, Inc., Joseph T.
Sharon Steel Corp..... 89
Superior Steel Div. of Copperweld..... 18
United States Steel Corp..... 25, 34-35, 118
Universal Cyclops Steel Corp.

STEEL, Strip
Armco Steel Corp.
Copperweld Steel Co. Aristoloy Steel Div.
Crucible Steel Co. of America 77
Inland Steel Co.
McLouth Steel Corp..... 115
Ryerson & Son, Inc., Joseph T.
Sharon Steel Corp..... 89
Superior Steel Div. of Copperweld..... 18
Youngstown Sheet & Tube Co.

STEEL, Tool
Allegheny Ludlum Steel Corp..... 83
Copperweld Steel Co. Aristoloy Steel Div.
Timken Roller Bearing Co.
Universal Cyclops Steel Co.

STONES, Sharpening
Behr-Manning Div. Norton Co.

STRAINERS, Gasoline or Oil
AC Spark Plug Electronics Div. of GM.. 85

STRIPS, Weather (Windshield, Window)
Inland Mfg. Div. of GM

STUDS
Republic Steel Corp.....100-101

SUPERCHARGERS
Schwitzer Corp.

SUSPENSIONS, Air
Clark Equipment Co.

SUSPENSIONS, Tandem (Truck)
Rockwell-Standard Corp.

SWITCHES, Direction Indicating, Flashing
K-D Lamp Co.

SWITCHES, Ignition
Electric Auto-Lite Co.

SWITCHES, Limit
Denison Mfg. Co., R. B.

SWITCHES, Low Pressure Indicating
King-Seeley Corp.

SWITCHES, Starter (Battery)
Automatic Battery Co. of America..... 96

SWITCHES, Stop Light
Bendix-Westinghouse Automotive Air Brake Co. 106-107

SYSTEMS, Data Processing
International Business Machines

SYSTEMS, Dust (Exhaust and Collector)
DeVilbiss Co.
Mahon Co., H. C.
Pangborn Corp.

SYSTEMS, Fuel Control (Jet Engine)
Holley Carburetor Co.

SYSTEMS, Overhead Carrying
Borg-Warner Industrial Cranes

SYSTEMS, Recording (Oscillographic)
Sanborn Co.

TACHOGRAPHS
Wagner Electric Corp..... 21

TACHOMETERS, Speed
AC Spark Plug Electronics Div. of GM.. 85
King-Seeley Corp.

TAKE-OFFS, Power
Dana Corp. 26-27
Johnson Products, Inc..... 88
Rockford Clutch Div. Borg-Warner Corp. 82
Tulsa Winch Div. Vickers, Inc.
Twin Disc Clutch Co..... ...116-117
Waterous Co.

TANKS, Gasoline
Snyder Tank Corp.

TAPE, Insulating
Behr-Manning Div. Norton Co.
Detroit Gasket Mfg. Co.
Kendall Co. Polyken Sales Div.

TAPE, Masking
Kendall Co. Polyken Sales Div.

TAPPETS, Valve
Chicago Screw Co.
Eaton Mfg. Co.
Johnson Products, Inc..... 88

TAPS, Hand and Machine
Hy-Pro Tool Co.

TERMINALS
AC Spark Plug Electronics Div. of GM.. 85
AMP, Inc. 15
Packard Electric Div. GM..... 71

THERMOSTATS
Dole Valve Co. 23
King-Seeley Corp.

TOOLS, Crimping
AMP, Inc. 15

TOOLS, Cutting
Ex-Cell-O Corp.
Hy-Pro Tool Co.

TOOLS, Portable Electric
Chicago Pneumatic Tool Co..... 48

TOOLS, Portable Pneumatic
Airetool Mfg. Co.
Chicago Pneumatic Tool Co..... 48
Cleco Div. of Reed Roller Bit Co..... 93

TOOLS, Reciprocating (Flexible Shaft)
Hyprez Div. Engis Equipment Co.

TOOLS, Tube Flaring
Imperial Brass Mfg. Co.
Weatherhead Co. 81

TRACTORS, Industrial
Yale & Towne Mfg. Co.

TRANSDUCERS
Sanborn Co.

TRANSFORMERS
Wagner Electric Corp..... 21

TRANSMISSIONS
Clark Equipment Co.
Cotta Transmission Co.
Dana Corp. 26-27
Fuller Mfg. Co.

TREATING, Heat
Spring Div. Borg-Warner Corp.

TRIMS, Metal
Detroit Gasket & Mfg. Co.
Firestone Steel Products Co.

TRUCKS, Factory (Hand)
Yale & Towne Mfg. Co.

TRUCKS, Lift
Yale & Towne Mfg. Co.

TUBES, Spacer
Federal-Mogul Div. Federal-Mogul-Bower 9

TUBING, Steel
Allegheny Ludlum Steel Corp..... 83
Babcock & Wilcox Co..... 2
Bundy Tubing Co.....98-99
National Tube Div. U. S. Steel..... 118
Ohio Seamless Tube Div. Copperweld Steel Co.
Republic Steel Corp.....100-101
Rochester Products Div. GM
Ryerson & Son, Inc., Joseph T.
Standard Tube Co.
Timken Roller Bearing Co.

TUBING, Synthetic Material
Garlock Packing Co..... 76
United States Gasket Div. of Garlock.... 76

TURBOCHARGERS, Engine
Garrett Corp. AiResearch Industrial Div.
Schwitzer Corp.

UNITS, Threading (Transfer Machine)
Sheffield Corp.

UNITS, Tool Control
Seibert & Sons, Inc..... 72

VALVES, Air Brake
Bendix Westington Automotive Air Brake Co. 106-107
Midland-Ross Corp. 79
Wagner Electric Corp..... 21

VALVES, Air Tank Drain
Wagner Electric Corp..... 21

VALVES, Check
Kohler Co.

VALVES, Control (Heating, Ventilating and Air Conditioning) (Auto)
Dole Valve Co..... 23

VALVES, Engine
Eaton Mfg. Co.
Saco-Lowell Automotive Div.
Thompson Products Valve Div.

VALVES, Hydraulic
Humphrey Products Div. of General Gas Light Co.
Logansport Machine Co.
Rivett, Inc.
Vickers, Inc.

VALVES, Needle
Imperial Brass Mfg. Co.

VALVES, Tire
Schrader's Sons, Inc., A.....86-87

VALVES, Two-Way, Three-Way, Etc
Humphrey Product Div. of General Gas Light Co.
Imperial Brass Mfg. Co.
Logansport Machine Co.
Skinner Electric Valve Co.

VALVE CORES, Tire
Schrader's Sons, Inc., A.....86-87

WASHERS, Brass, Bronze, Etc
Auburn Mfg. Co.
Detroit Stamping Co.
Federal-Mogul Div. Federal-Mogul-Bower. 9

WASHERS, Lock
Continental Screw Co.
National Lock Co. 112
Shakeproof Div. Illinois Tool Works

WELDERS and EQUIPMENT
Air Reduction Sales Co..... 22
Federal Machine & Welder Co.

WHEELS, Auto and Truck
Aluminum Co. of America
Kelsey-Hayes Co. 6

WHEELS, Floor Truck
Electric Wheel Co.

WHEELS, Grinding
Norton Co.
Raybestos-Manhattan, Inc.

WINCHES, Truck
Tulsa Winch Div. Vickers, Inc.

WIPERS, Windshield
Sprague Devices, Inc.

WIRE, Steel Spring
American Steel & Wire Div..... 25
Republic Steel Corp.....100-101
Roebling's Sons Corp., John A.

WIRE, Welding
Air Reduction Sales Co..... 22

WRENCHES, Torque
Chicago Pneumatic Tool Co..... 48
Sturtevant Co., P. A.

YARN, Rayon
Celanese Corp. of America

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PRODUCTS GUIDE SECTION

Arranged Alphabetically by Products

Products are listed alphabetically by the basic noun first, i.e., steel castings are listed under "Castings, Steel"; forging presses are found under "Presses, Forging," etc. Suggestions on how to best utilize the Product Guide and the Index to Product Information are found on page 122.

Cross indexing for general type of products is also provided for quick location of specific items, i.e., "ACOUSTIC MATERIAL — See Insulation, Felt, Hair, Paper, etc.; also Pads, Insulation (Heat, Cold & Sound)."

When requests for product information are made to manufacturers listed herein, kindly mention the A. I. Products Guide as the listing source.

ABSORBENTS, Oil and Grease (Floor)

Auto-Dri—See Speedi-Dri Div
Cal-Flor Dry—See Flor-Dry Co
DSL—See Davis-Howland Oil Co
Davis-Howland Oil Co 333 South Ave Rochester 20 N Y "DSL"
Diversey Corp 1820 Roscoe St Chicago 13 Ill "Diversey Pickup"
Dri-Sorb—See James H. Rhodes & Co
Dri-Zit—See Waverly Petroleum Products Co.
Eagle-Picher Co American Bldg Central Parkway Cincinnati 1 Ohio "Floor-Dry"
Floor-Dry—See Eagle-Picher Co
Flor-Dry Co 1821 University Ave St Paul 4 Minn "Cal-Flor-Dry" "Flor-Dry"
Metso 66—See Philadelphia Quartz Co
Oakite Products Inc 19 Rector St N Y N Y
Oil-Dri Corp of America 520 N Michigan Ave Chicago Ill "Oil-Dri All Purpose"
Penn Drake Kwixorb—See Pennsylvania Refining Co.
Pennsylvania Refining Co., Butler Savings & Trust Bldg., Butler, Pa. "Penn Drake Kwixorb."
Philadelphia Quartz Co 1146 Public Ledger Bldg 6th & Chestnut Sts Philadelphia 6 Pa "Metso 66"
Rhodes & Co James H 1026 W. Jackson Blvd Chicago Ill "Dri-Sorb"
Sol-Speedi-Dri—See Speedi-Dri Div
Speedi-Dri Div Minerals & Chemicals Corp of America Essex Turnpike Menlo Park N J "Sol-Speedi-Dri" "Auto-Dri"
Waverly Petroleum Products Co 3018 Market St Philadelphia 4 Pa "Dri-Zit" "Waverly Hi-Dri"
Wyandotte Chemicals Corp J B Ford Div Wyandotte, Mich. "Wyandotte Zorball"

ABRASIVE TESTING INSTRUMENTS—See Instruments, Abrasive Testing

ABRASIVES—See Belts or Bands, Endless Abrasive (Industrial); Cloth, Abrasive; Discs, Abrasive Grinding; Grit; Hones; Paper, Abrasive; also Wheels, Grinding

ACCELERATOR CONTROLS — See Controls, Accelerator

ACCELERATOR PEDALS—See Pedals, Accelerator

ACCELEROMETERS

Bennett-Feragen 1408 Jerome St Niles Mich
Maxson Instruments Corp 47-37 Austel Pl Long Island City L I N Y

ACETYLENE GAS—See Gas, Acetylene (In Cylinders and Tanks)

ACID, BATTERY—See Electrolyte, Battery Acid

ACIDS, Pickling

Calcine Chemical Co., P. O. Box 61, H. C. Station, Jersey City, N. J.
Dow Chemical Co Midland Mich
du Pont de Nemours & Co., E. I., Industrial & Biochemicals Dept Wilmington 98 Del
Enthone Inc 442 Elm St New Haven 11 Conn "Enth-Acid"
Harshaw Chemical Co., 1945 E. 97th St., Cleveland 6, Ohio.
Oakite Products Inc 19 Rector St N Y N Y
Troxide—See Waverly Petroleum Products Co.
Waverly Petroleum Products Co., 1724 Chestnut St., Phtiladelphia 3, Pa. "Troxide."

ACOUSTIC MATERIAL — See Insulation, Felt, Hair, Paper, etc.; also Pads, Insulation (Heat, Cold & Sound)

ADAPTERS, Choke (Hand)

Aldo—See Superior Screw & Mfg. Co.
American Muffler Co 1280 Tremont St Boston 20 Mass "Redex"
Servwell Products Co 6519 Euclid Ave Cleveland 3 Ohio
Superior Screw & Mfg Co P O Box 436 Crystal Lake Ill "Aldo"

ADAPTERS, Drive

AC Spark Plug The Electronics Div of General Motors 1300 N Dort Highway Flint 2 Mich

ADAPTERS, LP Gas—See Regulators, Adaptors and Vaporizers, LP-Gas

ADDITIVES, Chrome Plating

Udylite Corp 1651 E Grand Blvd Detroit 11 Mich "Zero-Mist"

ADDITIVES, Cutting Fluid

Johnson & Son Inc S C 1525 Howe St Racine Wis "Johnson Cold Stream"
Lilly Co Eli 740 S Alabama St Indianapolis 6 Ind "Elcide"

ADDITIVES, Oil and Lubricant

Casite Div Hastings Mfg Co N Hanover St Hastings Mich
Dow Chemical Co Midland Mich
Enjay Co 15 W 51st St N Y 15 N Y
Magnus Chemical Co 185 South Ave Garwood N J (Oil)
Pyroil Co 122 N Main St La Crosse Wis (Crankcase oil)

ADHESIVES

(See also Cement, for Bonding Rubber to Metal, Wood, etc.; also Resins, Synthetic (For Bonding, Impregnating, Laminating & Protective Coating)

American Latex Products Corp 3341 W El Segundo Blvd Hawthorne Calif "Stabond"
Armstrong Cork Co Industrial Div 7011 Imperial Ave Lancaster Pa
Bondmaster—See Rubber & Asbestos Corp
Borden Chemical Co Div of Borden Co 350 Madison Ave New York 17 N Y "Casco"
Casco—See Borden Chemical Co
Chemlok—See Hughson Chemical Co
DC—See Daubert Chemical Corp
Dacar Chemical Products Co Wabash & McCartney Sts Pittsburgh 20 Pa "Daxcel"
Daubert Chemical Co 4700 S Central Ave Chicago 38 Ill "DC"
Daxcel—See Dacar Chemical Products Co
Duco—See E I du Pont de Nemours & Co
du Pont de Nemours & Co E I Fabrics & Finishes Dept Finishes Div Wilmington 98 Del "Duco"
Durkee-Atwood Co 215 Seventh St N E Minneapolis 13 Minn
Eastman—See Tennessee Eastman Co
Flintkote Co 30 Rockefeller Plaza New York 20 N Y
Hadley Bros.-Uhl Co 514 Calvary St St Louis 15 Mo "Had-U-Tex"
Hughson Chemical Co Div Lord Mfg Co Erie Pa "Chemlok"
Marbon Chemical Div Borg-Warner Corp Box 68 Washington W Va
Minnesota Mining & Mfg Co 900 Bush Ave St Paul 6 Minn "3M"
Permacel U S Highway No 1 New Brunswick N J
Plymaster—See Rubber & Asbestos Corp
R/N—See Raybestos-Manhattan Inc Plastic Products Div
Raybestos-Manhattan Inc Adhesives Dept Bridgeport Conn "Ray-Bond"
Raybestos-Manhattan Inc Plastic Products Div Manheim Pa "R/N"
Ray-Bond—See Raybestos Div Raybestos-Manhattan Inc
Rubber & Asbestos Corp 225 Belleville Ave Bloomfield N J "Bondmaster" "Plymaster" "Trackmaster"
Stabond—See American Latex Products Corp
Tennessee Eastman Co Div of Eastman Kodak Co Kingsport Tenn "Eastman"
3M—See Minnesota Mining & Mfg Co
Trackmaster—See Rubber & Asbestos Corp
United Shoe Machinery Corp 140 Federal St Boston 7 Mass

AFTERCOOLERS

Adams Co R P 264 E Park Drive Buffalo 17 N Y (Compressed air)

ADJUSTERS, Driver's Seat

Ainsworth-Precision Castings Co Div of Harsco Corp 3200 Guardian Bldg Detroit 26 Mich (To order)

ADJUSTERS, Driver's Seat—continued

American Forging & Socket Co P O Box 210 Pontiac Mich
Atwood Vacuum Machine Co 1400 Eddy Ave Rockford Ill
Auto-Lite—See Electric Auto-Lite Co
Dura Corp Dura Div 4500 Detroit Ave Toledo 12 Ohio
Eberhard Mfg Co Div Eastern Malleable Iron Co 2734 Tennyson Rd Cleveland 4 Ohio "Eberhard Pedaloc" (Truck)
Electric Auto-Lite Co Toledo 1 Ohio "Auto-Lite"
Ferro Stamping Co 1367 Franklin St Detroit 7 Mich (Electric)
Hancock Mfg Co 225 N Horton St Jackson Mich
Jacobs Co., F. L., 1043 Spruce St., Detroit 1, Mich. (Electric.)

AGITATORS, Paint

De Vilbiss Co 300 Phillips Ave Toledo 1 Ohio
Ditzler Color Div Pittsburgh Plate Glass Co 8000 N Chicago Ave Detroit 4 Mich

AIR CIRCULATING SYSTEMS (TRUCK-TRAILERS)—See Systems, Air Circulating (Truck-Trailer)

AIR CLEANERS—See Cleaners, Air

AIR COMPRESSORS—See Compressors, Air

AIR CONDITIONING UNITS, Auto Truck, Bus, and Trailer

(See also Coolers, Auto)

A R A Mfg Co P O Box 655 Grand Prairie Tex
Airtemp Div Chrysler Corp 1610 Webster St Dayton 1 Ohio (Sole distributor Mo Par Div Chrysler Corp Detroit 31 Mich)
Artic-Kar—See Capitol Refrigeration Inc
Capitol Refrigeration Inc 3922 Kalloch Dr Dallas 16 Tex "Artic-Kar"
Eaton Mfg Co Heater Div E 65th St & Central Ave Cleveland 4 Ohio
Forston Co 2117 Judiway Houston 18 Tex "Forston" & "Lincoln"
Frigikar Corp 1711 Cochran St Dallas Tex "Frigiking" (Front and rear auto; "Frigikar" rear auto; "Frigikab" truck; "Frigibus" bus)
Harrison Radiator Div General Motors Corp Washburn & Walnut Sts Lockport N. Y. (Auto)
Keco Industries Inc 2438 Beekman St Cincinnati 14 Ohio (Trailer)
Kysor Heater Co Haynes St Cadillac Mich (Truck cab)
Lincoln—See Forston Co
McCord Corp Riopelle at E Grand Blvd Detroit 11 Mich (For Ford, Mercury and Lincoln cars)
Mark IV—See John E Mitchell Co
Mitchell Co John E 3800 Commerce St Dallas Tex "Mark IV" (Auto)
Novi Equipment Co Novi Mich
Onan & Sons Inc D W University Ave S E at 25th St Minneapolis 14 Minn "Onan Kab-Kooler" (For truck cabs)
Sutton Corp O A 1312 W 2nd St Wichita 1 Kan "Vornado"
Thermo King Corp 314 W 90th St Minneapolis 20 Minn
Tropic Aire-Coldmobile Div McGraw Edison Co 5201 W 65th St Chicago 38 Ill (Bus)
Vornado—See O A Sutton Corp

AIR CONDITIONING UNIT PARTS—See Parts, Air Conditioning Unit (Auto)

AIR CONTROL VALVES—See Valves Air Control

AIRCRAFT PARTS—See Blades, Aircraft; Bolts, Aircraft; Cable; Castings, Aircraft; Engines, Aircraft; Heaters, Aircraft; Motors, Electric (Aircraft Use); also Pumps, Fuel (Aircraft)

AIR CYLINDERS—See Cylinders, Air and Hydraulic

AIR FILTER REPLACING SWITCHES—See Switches, Air Filter Replacing

AIR FILTERS—See Filters, Air (Machinery)

AIR HOSE—See Hose, Air

AIR TO HYDRAULIC BOOSTERS—See Boosters, Air To Hydraulic

AIRPLANES

Aero Design & Engineering Corp Tulakes Airport Oklahoma City Okla (Mailing address P O Box 118 Bethany Okla) "Aero Commander"
Air Craft Marine Engrg Corp 7800 Gloria Ave Van Nuys Calif "Anser"
All American Aircraft Inc 1311 W Pacific Coast Hwy Harbor City Calif "Ensign"
Alouette II—See Republic Aviation Corp
Anser—See Air Craft Marine Engrg Corp
Baumann Aircraft Corp P O Box 468 North Hollywood Calif
Beech Aircraft Corp., E. Central Ave., Wichita, Kan. "Beechcraft."
Bell Helicopter Corp P O Box 482 Fort Worth Tex (Helicopters)
Bellanca—See Downer Aircraft Industries Inc
Bensen Aircraft Corp Box 2725 Raleigh Durham Airport Raleigh N C (Helicopters)
Boeing Airplane Co Box 3707 Seattle 24 Wash
Brantly Helicopter Corp 24 Maplewood Ave Philadelphia 44 Pa (Helicopters)
Callair Inc Afton Wyo (Agricultural)
Cessna Aircraft Co 5800 Pawnee Ave Wichita Kan (Also helicopters)
Champion Aircraft Corp Osceola Wis (Also helicopters)
Chance Vought Aircraft Inc P. O. Box 5907 Dallas Tex
Colonial Aircraft Corp Sanford Me "Skimmer" (Amphibious)
Convair, a Div of General Dynamics Corp 3165 Pacific Highway San Diego 12 Cal
Convertawings Inc Zahns Airport, Amityville L I N Y
Courier—See Mid-States Mfg Div
Doman Helicopters Inc Municipal Airport P O Box 608 Danbury Conn (Helicopters)
Douglas Aircraft Co 3000 Ocean Park Blvd Santa Monica Cal
Downer Aircraft Industries Inc P O Box 41 Alexandria Minn "Bellanca"
Ensign—See All American Aircraft Inc
Fairchild Aircraft Div Fairchild Engine & Aircraft Corp Hagerstown Md
Fletcher Aviation Corp Fletcher Airport Rosemead Calif
Fornaire—See Forney Mfg Co
Forney Mfg Co 1820 Laporte Ave Ft Collins Colo "Fornaire"
Goodyear Aircraft Corp 1210 Massillon Rd Akron 15 Ohio (Also airships and helicopters)
Grumman Aircraft Engineering Corp., Bethpage, L. I., N. Y.
Gyrodyne Co of America Inc Flowerfield St James L I N Y (Helicopters)
Hayden Aircraft Corp 131 E 165th St Gardena Calif "Stout Bushmaster"
Hiller Aircraft Corp 1350 Willow Rd Palo Alto Calif (Helicopters)
Hughes Tool Co Aircraft Div Culver City Calif
Kaman Aircraft Corp Old Windsor Rd Bloomfield Conn (Helicopters)
Kellett Aircraft Corp Easton Rd Horsham Pa
Lockheed Aircraft Corp., 2555 N. Hollywood Way, Burbank, Cal.
McDonnell Aircraft Corp., Box 516, Lambert-St. Louis Municipal Airport, St. Louis 3, Mo. (Also helicopters.)
Martin Co Baltimore 3 Md
Meyers Aircraft Co., Box 721, Tecumseh, Mich.
Mid-States Mfg Div Hello Aircraft Corp Pittsburgh Kans "Courier"
Monocoupe Aircraft & Engine Corp Melbourne Fla
Mooney Aircraft Inc Louis Schreiner Field Kerrville Tex
North American Aviation Inc International Airport Los Angeles 45 Calif
Northrop Corp Norair Div 1001 E Broadway Hawthorne Cal
Piper Aircraft Corp Bald Eagle St Lock Haven Pa
Rawdon Bros Aircraft Inc P O Box 1119 Wichita 1 Kans
Republic Aviation Corp., Conklin St., Farmingdale LI N Y (Also "Alouette II" helicopters)
Rotor-Craft Corp 1850 Victory Blvd Glendale Calif (Helicopters)
Ryan Aeronautical Co Lindbergh Field 2701 Harbor Dr San Diego 12 Cal
Sikorsky Aircraft Div. of United Aircraft Corp., Bridgeport 1, Conn. (Helicopters.)
Skimmer—See Colonial Aircraft Corp
Stout Bushmaster — See Hayden Aircraft Corp
Temco Aircraft Corp P O Box 6191 Dallas 22 Tex
Transland Aircraft Div of Hi-Shear Tool Co 2600 E 247th St Torrance Calif (Agricultural)
Trecker Aircraft Corp 6800 National Ave Milwaukee 14 Wis "Trecker Gull" (Amphibious; "Trecker" light-twin)
Vertol Aircraft Corp Morton Pa (Helicopters)

AIR PRESSURE GAGES—See Gages, Steam and Air

AIR PRESSURE REGULATORS—See Regulators, Air Pressure

AIR SPRINGS—See Springs, Air (Auto, Truck & Bus)

AIR SUSPENSIONS—See Suspensions, Air (Truck, Trailer and Bus)

ALARMS, Speed (Safety)—See Signals, Excess Speed

ALLOYS, Aluminum

Alcoa—See Aluminum Co. of America.
Aluminum Co of America 1501 Alcoa Bldg Pittsburgh 19 Pa "Alcoa" "Lo-Ex"
Belmont Smelting & Refining Works, 326a Belmont Ave., Brooklyn, N. Y.
Falls—See Niagara Falls Smelting & Refining Div Continental Copper & Steel Industries Inc
Federated Metals Div American Smelting & Refining Co 120 Broadway New York 5 N Y "Tenzaloy" "Federated" (Ingot)
Frontier Bronze Corp 4870 Packard Rd Niagara Falls N Y
Hamden Steel & Aluminum Co State & Edmund Sts New Haven Conn
Lo-Ex—See Aluminum Co. of America.
Nasco—See North American Smelting Co.
Niagara Falls Smelting & Refining Div Continental Copper & Steel Industries Inc 2204 Elmwood Ave Buffalo 23 N Y "Falls" (Also titanium aluminum)
North American Smelting Co., Tioga & Edgemont Sts., Philadelphia 34, Pa. "Nasco."
Revere Copper and Brass, Inc., 230 Park Ave., New York 17, N. Y.
Reynolds Metals Co 6601 Broad St Richmond 19 Va
Tenzaloy—See Federated Metals Div American Smelting & Refining Co
U S Reduction Co Melville & Chicago Aves East Chicago Ind "Usco"
Usco—See U S Reduction Co
Vanadium Corp. of America, 420 Lexington Ave., New York 17, N. Y. "Vancoram" (Vanadium - aluminum, Titanium - aluminum)
Vancoram—See Vanadium Corp. of America.

ALLOYS, Bismuth

Belmont Smelting & Refining Works, 326a Belmont Ave., Brooklyn, N. Y.
Cerro DePasco Sales Corp 300 Park Ave N Y 22 N Y "Cerrobase" "Cerrobend" "Cerrocast" "Cerrosafe" "Cerromatrix" "Cerrotru" "Cerrolow" "Cerroseal"
Divco—See Division Lead Co.
Division Lead Co 7742 W 61st Pl Summit Ill "Divco"
Federated Metals Div American Smelting & Refining Co 120 Broadway New York 5 N Y

ALLOYS, Brazing

Handy & Harman 62 Fulton St N Y 38 N Y

ALLOYS, Chromium

Allegheny Ludlum Steel Corp 2020 Oliver Bldg Pittsburgh 22 Pa
Crucible Steel Co of America Oliver Bldg Mellon Sq Pittsburgh 22 Pa
Electro Metallurgical Co 30 E 42nd St N Y 17 N Y
Exlo—See Vanadium Corp of America
Falls—See Niagara Falls Smelting & Refining Div Continental Copper & Steel Industries Inc
M & T—See Metal & Thermit Corp.
Metal & Thermit Corp Rahway N J "M & T"
Michigan-Standard Alloy Casting Co 1999 Guoin St Detroit 7 Mich "Misco"
Misco—See Michigan-Standard Alloy Casting Co
Niagara Falls Smelting & Refining Div Continental Copper & Steel Industries Inc 2204 Elmwood Ave Buffalo 23 N Y "Falls"
Vanadium Corp of America 420 Lexington Ave New York 17 N Y "Vancoram" "Exlo" (Ferro-chromium)
Vancoram—See Vanadium Corp of America

ALLOYS, Copper

Ambraloy—See American Brass Co
American Brass Co 414 Meadow St Waterbury 20 Conn "Ambraloy" "Everdur"
Belmont Smelting & Refining Works 326a Belmont Ave Brooklyn N Y
Beryllium Corp P O Box 1462 Reading Pa "Berylco"
Berylco—See Beryllium Corp
Bridgeport Brass Co 30 Grand St Bridgeport 2 Conn
Elkonite—See P R Mallory & Co
Everdur—See American Brass Co.
Falls—See Niagara Falls Smelting & Refining Div Continental Copper & Steel Industries Inc

Federated Metals Div American Smelting & Refining Co 120 Broadway New York 5 N Y
Mallory & Co P R 76 S Gray St Indianapolis 6 Ind "Elkonite" "Mallory 3" & "Soldaloy"
Niagara Falls Smelting & Refining Div., Continental Copper & Steel Industries Inc 2204 Elmwood Ave Buffalo 23 N Y "Falls" (Also titanium copper)
Revere Copper and Brass, Inc., 230 Park Ave., New York 17, N. Y.
S-M-S Corp 4605 Livernois Ave Detroit 4 Mich
Soldaloy—See P R Mallory & Co

ALLOYS, Cutting (Cobalt, Chromium, Tantalum and Tungsten Carbide)

(See also Diamonds, Industrial)

Allegheny Ludlum Steel Corp 2020 Oliver Bldg Pittsburgh 22 Pa
Carboloy—See General Electric Co
General Electric Co Metallurgical Products Dept 11777 E Eight Mile Rd Detroit 32 Mich "Carboloy" (Tungsten, tantalum or titanium)
Haynes Stellite Co 725 S Lindsay St Kokomo Ind (Cobalt chromium-tungsten)
Vikide—See Viking Tool Co
Viking Tool Co 1000 Nichols Rd Shelton Conn "Vikide" (Cobalt chromium, tantalum and tungsten carbide)
Willey's Carbide Tool Co., 1340 W. Vernor Highway, Detroit 1, Mich. (Titanium, Tantalum and Tungsten carbide.)

ALLOYS, Hard Facing

Crucible Steel Co of America Oliver Bldg Mellon Sq Pittsburgh 22 Pa
Wall Colmonoy Corp 19345 John R St Detroit 3 Mich "Colmonoy"

ALLOYS, Manganese

Chace Co., W. M., 1600 Beard Ave., Detroit 9, Mich.
Dow Chemical Co Midland Mich "Dowmetal"
Vanadium Corp of America 420 Lexington Ave N Y 17 N Y (Silico manganese)

ALLOYS, Magnesium

Belmont Smelting & Refining Works, 326a Belmont Ave., Brooklyn, N. Y.
Dow Chemical Co Midland Mich "Dowmetal" (Bars, rods, shapes, sheet and plate)
Dowmetal—See Dow Chemical Co.
Falls—See Niagara Falls Smelting & Refining Div
Federated Metals Div American Smelting & Refining Co 120 Broadway N Y 5 N Y
Niagara Falls Smelting & Refining Div Continental Copper & Steel Industries Inc 2204 Elmwood Ave Buffalo 23 N Y "Falls"
Vanadium Corp of America 420 Lexington Ave N Y 17 N Y "Vancoram"
Vancoram—See Vanadium Corp of America

ALLOYS, Molybdenum

Climax Molybdenum Co., 500 Fifth Ave., New York 36, N. Y.

ALLOYS, Nickel

Inco—See International Nickel Co
Inconel—See International Nickel Co
Incoloy—See International Nickel Co
International Nickel Co 67 Wall St N Y 5 N Y "Inco" "Inconel" "Monel" "Incoloy" "Nimonic" "Ni-Resist" (Steel)
Kelsey-Hayes Co 3600 Military Ave Detroit 32 Mich "Udimet"
Monel—See International Nickel Co
Nimonic—See International Nickel Co
Ni-Resist—See International Nickel Co
Udimet—See Kelsey-Hayes Co

ALLOYS, Nickel-Chromium

Allegheny Ludlum Steel Corp 2020 Oliver Bldg Pittsburgh 22 Pa
Alloy Metal Wire Co., 13th & Pennsylvania Aves., Moores, Prospect Park, Pa. "Alray." (Wire, rod and strip.)
Alray—See Alloy Metal Wire Co.
Chromax—See Driver-Harris Co
Chromel—See Hoskins Mfg. Co
Colmonoy—See Wall Colmonoy Co.
Driver-Harris Co 201 Middlesex St Harrison N J "Chromax" "Karma" "Nichrome"
General Alloys Co 387 W First St Boston 27 Mass "Q-Alloys"
Hoskins Mfg. Co., 4435 Lawton Ave., Detroit 8, Mich. "Chromel."
Inco—See International Nickel Co
Inconel—See International Nickel Co
International Nickel Co., 67 Wall St., New York 5 N Y "Inconel" "Ni-O-Nel" "Ni-Resist"
Karma—See Driver-Harris Co
Michigan-Standard Alloy Casting Co 1999 Guoin St Detroit 7 Mich "Misco"
Misco—See Michigan-Standard Alloy Casting Co
Nichrome—See Driver-Harris Co.
Ni-O-Nel—See International Nickel Co
Ni-Resist—See International Nickel Co
Q-Alloys—See General Alloys Co.
Wall Colmonoy Corp., 19345 John R St., Detroit 3, Mich. "Colmonoy."

ALLOYS, Silicon Bronze

Belmont Smelting & Refining Works, 326a Belmont Ave., Brooklyn, N. Y.
Bridgeport Brass Co 30 Grand St Bridgeport 2 Conn
Falls—See Niagara Falls Smelting & Refining Div
Niagara Falls Smelting & Refining Div Continental Copper & Steel Industries Inc 2204 Elmwood Ave Buffalo 23 N Y "Falls"
Revere Copper and Brass, Inc., 230 Park Ave., New York 17, N. Y.

ALLOYS, Vanadium

Vanadium Corp. of America, 420 Lexington Ave., New York 17, N. Y. "Vancoram." (Ferro-vanadium.)

ALLOYS, Zinc Die Casting

Belmont Smelting & Refining Works, 326a Belmont Ave., Brooklyn, N. Y.
Federated Metals Div American Smelting & Refining Co 120 Broadway New York 5 N Y
Horse Head Zamak—See New Jersey Zinc Co
New Jersey Zinc Co 160 Front St New York 38 N Y "Horse Head Zamak"
U S Reduction Co Melville & Chicago Aves East Chicago Ind (Ingots)

ALTERNATORS, Auto, Truck and Bus

Delco-Remy Div General Motors Corp 2401 Columbus Ave Anderson Ind
General Electric Co Apparatus Sales Div 1 River Rd Schenectady 5 N Y
Leece-Neville Co 1374 E 51st St Cleveland 3 Ohio

ALUMINUM BRONZE—See Bronze, Aluminum

ALUMINUM CASTINGS—See Castings, Die

ALUMINUM EXTRUSIONS — See Extrusions, Aluminum

ALUMINUM PAINTS—See Paints, Aluminum and Bronze

ALUMINUM (Sheet, Rod and Ingot)

Alcoa—See Aluminum Co. of America.
Aluminum Co of America 1501 Alcoa Bldg Pittsburgh 19 Pa "Alcoa"
American Nickeloid Co Peru 34 Ill (Nickel and chrome plated aluminum, in sheets.)
Anaconda Aluminum Co P O Box 1654 Louisville Ky (Pig ingot sheet circle plate rod and bar)
Belmont Smelting & Refining Works, 326a Belmont Ave., Brooklyn, N. Y. (Ingot.)
Bridgeport Brass Co 30 Grand St Bridgeport 2 Conn (Strip)
Chase Brass & Copper Co 236 Grand St Waterbury 20 Conn (Sheet and rod)
Colonial Alloys Co Ridge Ave & Crawford St Philadelphia 19 Pa (Sheet, rod, strip and wire)
Empire Metal Co 820 E Water St Syracuse 3 N Y
Fairmont Aluminum Co., Fairmont, W. Va. "Falco." (Sheet, coil and circles.)
Falco—See Fairmont Aluminum Co.
Falls—See Niagara Falls Smelting & Refining Div
Federated Metals Div American Smelting & Refining Co 120 Broadway New York 5 N Y (Ingot)
Hamden Steel & Aluminum Co State & Edmund Sts New Haven Conn "USA" (Ingot)
Harvey Aluminum 19200 S Western Ave Torrance Calif (Rod bar pig and ingot)
Kaiser Aluminum & Chemical Corp 1924 Broadway Oakland 12 Calif (Pig ingot rod bar plate and wire)
Niagara Falls Smelting & Refining Div Continental Copper & Steel Industries Inc 2204 Elmwood Ave Buffalo 23 N Y "Falls"
North American Smelting Co., Marine Terminal, Wilmington, Del. (Ingot and shot.)
Olin Mathieson Chemical Corp Metals Div 400 Park Ave N Y 22 N Y
Pioneer Aluminum Inc 5251 W Imperial Hwy Los Angeles 45 Calif (Tooling plate)
Precision Extrusions 720 E Green Ave Bensenville Ill (Extruded shapes, rod, bar and tubing)
Revere Copper & Brass Inc 230 Park Ave N Y 17 N Y
Reynolds Metals Co 6601 Broad St Richmond 19 Va (Sheet plate wire rod bar ingot and pig)
Scovill Mfg Co 99 Mill St Waterbury 20 Conn
'USA—See Hamden Steel & Aluminum Co

ALUMINUM TUBING—See Tubing, Aluminum

AMMETERS, Instrument Board

AC Spark Plug The Electronics Div of General Motors 1300 N Dort Highway Flint 2 Mich
Hoyt Electrical Instrument Works Inc 42 Carleton St Cambridge 42 Mass (Sole distributors Burton-Rogers Co 42 Carleton St Cambridge 42 Mass)
K-S Telegage—See King-Seeley Corp.
King-Seeley Corp., 315 S. First St., Ann Arbor, Mich. "K-S Telegage."
Preferred Electric & Wire Co Bush Terminal Bldg No 8 Brooklyn 32 N Y
Simpson Electric Co Div of American Gage & Machine Co 5208 W Kinzie St Chicago 44 Ill
Stewart-Warner Corp Instrument Div 1826 Diversey Parkway Chicago Ill
Sun Electric Corp., 6323 Avondale Ave., Chicago 31, Ill.
United States Gauge Div. of American Machine and Metals, Inc., Clymer Ave., Sellersville, Pa.
Weston Instruments Div of Daystrom Inc 614 Frelinghuysen Ave Newark 12 N J

AMMETERS and VOLTMETERS (Including Switchboard)

Auto-Lite—See Electric Auto-Lite Co
Bristol Co Waterbury 20 Conn
Electric Auto-Lite Co Toledo 1 Ohio "Autolite"
Esterline-Angus Co., P. O. Box 596, Indianapolis 6, Ind.
G-E—See General Electric Co
General Electric Co Apparatus Sales Div 1 River Rd Schenectady 5 N Y "G-E"
Herbrand Div Bingham-Herbrand Corp Lake and Stone Sts Fremont Ohio (Voltmeters)
Hoyt Electrical Instrument Works Inc 42 Carleton St Cambridge 42 Mass (Sole distributors Burton-Rogers Co 42 Carleton St Cambridge 42 Mass)
King-Seeley Corp 315 S First St Ann Arbor Mich
Martindale Electric Co 1340 Hird Ave Cleveland 7 Ohio
Mercury Electric Co 719 Wyandotte St Kansas City 6 Mo
Norton Electrical Instrument Co., 81 Hilliard St., Manchester, Conn.
Rochester Mfg Co 100 Rockwood St Rochester 10 N Y
Simpson Electric Co Div of American Gage & Machine Co 5208 W Kinzie St Chicago 44 Ill
Weston Instruments Div of Daystrom Inc 614 Frelinghuysen Ave Newark 12 N J

ANALYZERS, Combustion

Allen Electric & Equipment Co., 2101 N. Pitcher St., Kalamazoo 13F, Mich.
Cambridge Instrument Co 3732 Grand Central Terminal Bldg N Y 17 N Y
Electro Products Co., 445 E. 189th St., New York 58, N. Y. "Mixture Master."
Engelhard Industries Inc Instruments & Systems Div 850 Passaic Ave E Newark N J
General Electric Co Apparatus Sales Div 1 River St Schenectady 5 N Y
Hanson Co Harvey E Lake Blvd & Commercial St Paw Paw Mich
Heyer Industries Inc 471 Cortlandt St Belleville 9 N J
King Electric Equipment Co 9123 Inman Ave Cleveland 5 Ohio
Mixture Master—See Electro Products Co.
Performance Measurements Co 15301 W McNichols Rd Detroit 35 Mich
Permutit Co 50 W 44th St N Y 36 N Y "Ranarex"
Ranarex—See Permutit Co.
Schauer Mfg. Corp 4500 Alpine Ave Rossmoyne Ohio
Snap-On Tools Corp 8046 28th Ave Kenosha Wis
Sun Electric Corp., 6323 Avondale Ave., Chicago 31, Ill.
Weidenhoff Corp Algona Iowa

ANALYZERS, Engine and Electrical Equipment

(See also Stands, Electric Test)

Allen Electric & Equipment Co., 2101 N. Pitcher St., Kalamazoo 13F, Mich.
Bee-Line Co P O Box 569 Davenport Iowa (Electrical)
Bendix Products Div Bendix Aviation Corp South Bend 20 Ind "Hydrovac"
Du Mont Laboratories Inc Allen B 750 Bloomfield Ave Clifton N J
Electro Products Co 445 E 189th St N Y 58 N Y
Hanson Co Harvey E Lake Blvd & Commercial St Paw Paw Mich
Heyer Industries Inc 471 Cortlandt St Belleville 9 N J "Heyer Dyna-Vision"
Hydrovac—See Bendix Products Div Bendix Aviation Corp
International Research & Development Co 6150 Huntley Rd Worthington Ohio (Engine vibration)
King Electric Equipment Co 9123 Inman Ave Cleveland 5 Ohio
Mack Products Co., 15 Putnam St., Winthrop, Mass.
Motoraide Corp 2400 Emerald St Philadelphia 25 Pa
Nankervis Co George L 15300 Fullerton St Detroit 27 Mich (Shock absorbers, transmissions, differentials, etc)
Schauer Mfg Co 4500 Alpine Ave Rossmoyne O
Silver Beauty—See Triple-A Specialty Co
Snap-On Tools Corp 8046 28th Ave Kenosha Wis "Snap-On Anal-O-Scope" (Ignition system)
Sun Electric Corp., 6323 Avondale Ave., Chicago 31, Ill.
T. & H. Mfg. Co., 811 E. 31st St., Kansas City 3, Mo.
Triple-A Specialty Co 2835 N Western Ave Chicago 18 Ill "Silver Beauty"
Weidenhoff Corp Algona Iowa

ANNEALING—See Treating, Heat

ANNEALING BOXES AND POTS—see Boxes and Pots, Annealing and Case-Hardening

ANODES, Electroplating

Allied Research Products Inc 4004 E Monument St Baltimore 5 Md "Flat Top" (Zinc and copper "Lectrocop" flat copper; cadmium white brass etc)
American Brass Co 414 Meadow St Waterbury 20 Conn "Anaconda" (Copper brass and bronze)
Anaconda—See American Brass Co.
Belmont Smelting & Refining Works, 326a Belmont Ave., Brooklyn, N. Y. (Cadmium, copper, lead, nickel and zinc.)
Divco—See Division Lead Co.
Division Lead Co 7742 W 61st Pl Summit Ill "Divco" (Lead, chrome and tin)
du Pont de Nemours & Co E I Electrochemicals Dept Wilmington 98 Del (Cadmium)
Durobrite—See E. I. du Pont de Nemours & Co., Electrochemicals Dept.
Electric Materials Co Clay & Washington Sts North East Pa (Copper)
Empire Metal Co 820 E Water St Syracuse 3 N Y
Federated Metals Div American Smelting & Refining Co 120 Broadway New York 5 N Y (Copper lead tin zinc brass & cadmium)
Flat Top—See Allied Research Products Inc
Handy & Harman, 82 Fulton St., New York 38, N. Y. (Silver.)
Hanson-Van Winkle-Munning Co Matawan N J "H-V-W-M" (Brass copper nickel zinc cadmium etc)
Harshaw Chemical Co., 1945 E. 97th St., Cleveland 6, Ohio.
Lectrocop—See Allied Research Products Inc
M & T—See Metal & Thermit Corp.
Metal & Thermit Corp Rahway N J "M & T"
Revere Copper & Brass Inc., 230 Park Ave., New York 17, N. Y.
Stevens Inc Frederic B 1800 18th St Detroit 16 Mich

ANTENNAS—See Radio Accessories, Auto

ANTI-FREEZE, Cooling System

Ajax—See Commercial Solvents Corp.
Arctic Flo—See Petroleum Chemicals Co
Atlas Permaguard—See Esso Standard Oil Co.
Blue Star—See Petroleum Chemicals Co
Cliffs Dow Chemical Co., Wright St., Marquette, Mich.
Commercial Solvents Corp 260 Madison Ave New York 16 N Y "Ajax" "Frost Chek" "Nor'way" "Peak"
Compass—See Porte Mfg. Co.
Dacar Chemical Products Co Wabash & Mc Cartney Sts Pittsburgh 20 Pa "Permento"
Dow Chemical Co Midland Mich (Ethylene glycol and formulations)
du Pont de Nemours & Co E I Industrial & Biochemicals Dept Wilmington 98 Del "Zerone" "Zerex" (Anti-rust)
Esso Standard Oil Co 15 W 51st St New York 19 N Y "Esso" "Atlas Permaguard"
Fleetline—See Randall Products Mfg Co
Freezex—See Speco, Inc.
Frees-Rem—See Speco Inc
Frost Chek—See Commercial Solvents Corp.
Gold Seal—See Master Automotive Chemicals Inc
Gulf Oil Corp 1822 Gulf Bldg Pittsburgh 30 Pa
Jefferson Chemical Co 1121 Walker St Houston 2 Tex
Master Automotive Chemicals Inc 37 Preston Ct Brooklyn 24 N Y "Gold Seal"
National Carbon Co 30 E 42nd St New York 17 N Y "Prestone" "Trek"
Nor'way—See Commercial Solvents Corp
Octagon Process Inc 15 Bank St Staten Island 1 N Y "Octagone"
Olin Mathieson Chemical Corp Industrial Chemical Div Mathieson Bldg Baltimore 3 Md "Pyro" "Super-Pyro"
Peak—See Commercial Solvents Corp.
Permento—See Dacar Chemical Products Co
Petroleum Chemicals Co Tilton Rd Danville Ill "Arctic Flo" "Blue Star" "Protecto"
Porte Mfg Co 3179 Atlantic Ave Brooklyn 8 N Y "Compass"
Prestone—See National Carbon Co
Protecto—See Petroleum Chemicals Co
Pyro—See Olin Mathieson Chemical Corp
Randall Products Mfg Co 2095 Broadway New York 23 N Y "Rand-Zone" & "Fleetline"
Shell Oil Co., 50 W. 50th St., New York 20, N. Y.
Speco Inc 7308 Associate Ave Cleveland 9 Ohio "Speco" "Freezex" "Freez-Rem" "Winterset"
Super-Pyro—See Olin Mathieson Chemical Corp
Texaco Inc 135 E 42nd St New York 17 N. Y
Trek—See National Carbon Co
Union Carbide Chemicals Co 30 E 42nd St N Y 17 N Y
Valvoline Oil Co Div of Ashland Oil & Refining Co Third Ave & Sixth St Freedom Pa
Winterset—See Speco Inc
Zerex—See E I du Pont de Nemours & Co
Zerone—See E I du Pont de Nemours & Co

ANTI-FREEZE, Gasoline Line

Bardahl Mfg Corp 1400 W 52nd St Seattle 7 Wash
Barton Products Co 1891 N Winnebago Ave Chicago 47 Ill
Bowes "Seal Fast" Corp 5902 E 34th St Indianapolis 18 Ind "Power-Aid"
Chevron—See Standard Oil Co of Calif
Commercial Solvents Corp 260 Madison Ave New York 16 N Y "Nor'way Dry-Ex"
Cristy Chemical Corp 37 Harvard St Worcester 2 Mass "Cristy Drygas"
DSL—See Davis-Howland Oil Corp
Dacar Chemical Products Co., Wabash & McCartney Sts., Pittsburgh 20, Pa. "Mototuner."
Davis-Howland Oil Corp 333 South Ave Rochester 20 N Y "DSL"
du Pont de Nemours & Co E I Fabrics & Finishes Dept Finishes Div Wilmington 98 Del
Gasec—See Porte Mfg. Co.
Gas-Master—See Rust Master Chemical Corp
Glisten Co P O Box 281 Hillsdale Mich
Heet Div of DeMert & Dougherty Inc 3001 W 47th St Chicago 32 Ill
Hollingshead Corp., R. M., 840 Cooper St., Camden, N. J. "Whiz Zorbit."
ICU Livegas—See Livingston Co
Livingston Co 150 Amity Rd New Haven 15 Conn "ICU Livegas"
Lubri-Loy Co 6319 Wilson St St Louis 10 Mo "Plus"
Mototuner—See Dacar Chemical Products Co.
National Carbon Co 30 E 42nd St N Y 17 N Y "Prime"
Nor'way Dry-Ex—See Commercial Solvents Corp.
Petroleum Solvents Corp 331 Madison Ave N Y 17 N Y "Siloo"
Porte Mfg Co 3178 Atlantic Ave Brooklyn 8 N Y "Gasec" & "Presto"
Power-Aid—See Bowes "Seal Fast" Corp
Presto—See Porte Mfg Co
Prime—See National Carbon Co
Rust Master Chemical Corp 58 Creighton St Cambridge Mass "Gas-Master"
Satin Gas—See "X" Laboratories
Siloo—Petroleum Solvents Corp
Standard Oil Co of Calif Western Operations Inc 225 Bush St San Francisco 20 Calif "Chevron"
Tumbler Laboratories, J. A., 423 S. Hanover St., Baltimore 1, Md.
Warco—See Warwick Laboratories Co
Warwick Laboratories Co 334 Cleveland St Brooklyn 8 N Y "Warco"
Whiz Zorbit—See R. M. Hollingshead Corp.
Wilco Co 4425 Bandini Blvd Los Angeles 23 Calif
"X" Laboratories 25 W 45th St N Y 36 N Y "Satin Gas"
Zecol Inc 3270 S 3rd St Milwaukee 7 Wis

ANTI-SQUEAK, BODY—See Lining, Body or Frame

ARBORS, EXPANDING—See Mandrels, Expanding

ARM RESTS—See Rests, Arm

ARMATURES

American Generator & Armature Co 6100 W Grand Ave Chicago 39 Ill
BV—See General Armature & Mfg Co
General Armature & Mfg Co Box 370 Lock Haven Pa "BV"

ARMATURE BAKING OVENS — See Ovens, Molded Products

ARMATURE BANDING WIRE — See Wire, ARMATURE BANDING

ARMATURE GROWLERS — See Instruments, Electrical Circuit Testing

ARMS, Breaker

Niehoff & Co., C. E., 4925 W. Lawrence Ave., Chicago 30, Ill.
Shurhit Products Inc 845 S Market St Waukegan Ill
Standard Motor Products Inc 37-18 Northern Blvd Long Island City L I N Y
Valley Forge Products Inc 370 19th St Brooklyn 15 N Y

ASSEMBLIES, Four-Wheel Drive (For Light Trucks)

Dana Corp 4100 Bennett Rd Toledo 1 Ohio

ASSEMBLIES, FRONT DRIVE — See Axles, Front Drive

ASSEMBLY MACHINES, AUTOMATIC—See Machines, Automatic Assembly

ATTACHMENTS, Milling Machine

Greenlee Bros & Co 1702 Mason Ave Rockford Ill

ATTACHMENTS, Sheet Metal Working

Wales-Strippit Inc Akron N Y (Punching, notching and nibbling units)

AUTOMATIC TRANSFER MACHINES—See Machines, Automatic Transfer (Production)

AUTOMOBILES (BUSES)—See Buses

AUTOMOBILES (FIRE APPARATUS)—See Trucks, Fire

AUTOMOBILES (Passenger Cars)

American Motors Corp Automotive Div 14250 Plymouth Rd Detroit 32 Mich "Rambler"
Buick Motor Div. General Motors Corp., Hamilton & Industrial Aves., Flint 2, Mich.
Cadillac Motor Car Div. General Motors Corp., 2860 Clark Ave., Detroit 32, Mich.
Checker Motors Corp 2016 N Pitcher St Kalamazoo Mich "Superba"; "Checker" (Taxicabs)
Chevrolet Motor Div. of General Motors Corp., General Motors Bldg., Detroit 2, Mich "Chevrolet" "Corvair" "Corvette"
Chrysler Corp Chrysler & Imperial Div 12200 E Jefferson Ave Detroit 31 Mich "Chrysler" "Imperial"
Continental—See M-E-L Div of Ford Motor Co
Corvair—See Chevrolet Motor Div
Corvette—See Chevrolet Motor Div
De Soto—See Plymouth-De Soto-Valiant Div
Dodge Div., Chrysler Corp., 7900 Joseph Campau Ave., Detroit 31, Mich.
Falcon—See Ford Div Ford Motor Co
Ford Div Ford Motor Co Rotunda Dr & Southfield Ave Dearborn Mich "Ford" "Falcon" "Thunderbird"
Imperial—See Chrysler Corp Chrysler & Imperial Div

Lincoln—See M-E-L Div of Ford Motor Co
M-E-L Div of Ford Motor Co 3000 Schaefer Rd Dearborn Mich "Continental" "Lincoln" "Mercury"
Mercury—See M-E-L Div of Ford Motor Co
Oldsmobile Div., General Motors Corp., Townsend St., Lansing 21, Mich.
Plymouth-De Soto-Valiant Div Chrysler Corp 6334 Lynch Rd Detroit 31 Mich "Plymouth" "De Soto" "Valiant" (Also taxicabs)
Pontiac Motor Div., General Motors Corp., Pontiac 11 Mich (Also taxicabs)
Rambler—See American Motors Corp
Studebaker-Packard Corp 636 S Main St South Bend 27 Ind "Studebaker"; "Studebaker Econ-O-Miler" (Taxicabs)
Superba—See Checker Motors Corp
Thunderbird—See Ford Div Ford Motor Co
Valiant—See Plymouth-De Soto-Valiant Div

AUTOMOBILES (MOTOR TRUCKS) — See Trucks, Motor

AUTOMOBILES (TRACTORS)—See Tractors

AXLE SHAFTS—See Shafts, Rear Axle

AXLE SUSPENSION UNITS, for Trailers

Bartlett Trailer Corp 3080 Archer Ave Chicago 8 Ill
Caravan—See United Mfg Co
Copco Trailers Div of Copco Steel & Engrg Co 23500 Sherwood Rd Detroit 34 Mich
Fayette Mfg Co Box 8 Fayette Ohio
Feather Ride—See Pointer-Willamette Co.
Fruehauf Trailer Co 10940 Harper Ave Detroit 32 Mich
Gravity Springs—See Truck Equipment Co.
Great Dane Trailers Inc PO Box 1159 Savannah Ga
Hammer Blow Tool Co., 602½ Third St., Wausau, Wis.
Hendrickson Mfg Co 8001 W 47th St Lyons Ill
Highway Trailer Co 405 E Fulton St Edgerton Wis
Hobbs Trailers Div of Fruehauf Trailer Co 609 N Main St Fort Worth 1 Tex
Hoobler—See Youngstown Steel Car Corp
Hutchens & Son Metal Products Inc 2332 E Division St Springfield Mo
Kingham Trailer Co 15th & Hill Sts Louisville 10 Ky
Neway Equipment Co 1183 E Laketon St Muskegon Mich
P-W—See Pointer-Willamette Co.
Page & Page 0605 S W Curry St Portland 1 Ore
Pointer-Willamette Co P O Box 368 Edmonds Wash "Feather Ride" "P-W" "West Pointer"
Reyco—See Reynolds Mfg Co
Reynolds Mfg Co 600 N Prospect Ave Springfield 2 Mo "Reyco"
Shamrock Trailers & Axle Mfg. Co., 13447 Schaefer St., Detroit, Mich.
Shuler Axle Co 2901 S 2nd St Louisville 8 Ky
Spencer-Safford Loadcraft Inc Augusta Kans
Standard Forge & Axle Co., Hunter Sta. Montgomery 2, Ala. (Licensee.)
Tandemtrac—See Truck Equipment Co
Trailmobile Inc 31st & Robertson Ave Cincinnati 9 Ohio
Truck Equipment Co., 1791 Fillmore Ave. Buffalo 14, N. Y. "Gravity Springs" & "Tandemtrac"
Trucktor Corp P O Box 120 Westfield N J
United Mfg Co 5250 Dobeckmun Ave Cleveland 2 Ohio "Caravan"
West Pointer—See Pointer-Willamette Co.
Youngstown Steel Car Corp Hunter St Niles Ohio "Hoobler" (Self-steering undercarriage)

AXLE UNITS, Third, for Trucks

Baumis—See Truckstell Mfg Co
Chief-Ton—See Truckstell Mfg Co
Detroit Automotive Products Corp 8701 Grinnell Ave Detroit 13 Mich "Thornton Four-Rear Wheel Drive" (Four wheel drive; also "Load Booster")
F A B Mfg Co 1249 67th St Oakland 8 Calif "Fabco"
Fabco—See F A B Mfg Co
Forty-Hi—See Truckstell Mfg Co
Fruehauf Trailer Co 10940 Harper Ave Detroit 32 Mich "Tonnage Master"
Heil Co TEC Div 1285 W 70th St Cleveland 2 Ohio
Hendrickson Mfg Co 8001 W 47th St Lyons Ill
Hobbs Trailers Div of Fruehauf Trailer Co 609 N Main St Fort Worth 1 Tex
Hutchens & Son Metal Products Inc 2332 E Division St Springfield Mo
Hydro-Trac—See Truckstell Mfg Co
Little Giant Products, Inc., 1530 N. Adams St., Peoria 3, Ill.
Load Booster—See Detroit Automotive Products Corp.
Neway Equipment Co 1183 E Laketon St Muskegon Mich
Page & Page Co 0605 S W Curry St Portland 1 Ore
Reyco—See Reynolds Mfg Co
Reynolds Mfg Co 600 N Prospect Ave Springfield 2 Mo "Reyco"
Road Runner Corp 11835 Ave O Chicago 17 Ill (Detachable; sole distributors, Fruehauf Trailer Co 10940 Harper Ave Detroit 32 Mich)
Tandemtrac—See Truck Equipment Co
Thornton Four-Rear Wheel Drive—See Detroit Automotive Products Corp.
Tonnage Master—See Fruehauf Trailer Co
Trailmobile Inc 31st & Robertson Aves Cincinnati 9 Ohio
Truck Equipment Co 1791 Fillmore Ave Buffalo 14 N Y "Tandemtrac"
Truckstell Mfg Co 3490 W 140th St Cleveland 11 Ohio "Baumis" "Chief-Ton" "Forty-Hi" "Hydro-Trac" "Truckstell" "Truckstell Willock"
Trucktor Corp P O Box 120 Westfield N J (Also chain and sprocket drive)
Weber Trailer & Mfg Co 8400 E Slauson Ave Rivera Calif (Mailing address P O Box 2473 Los Angeles 54 Calif)

AXLES, Front

(Finished or machined axles; for axle forgings—See Forgings)

Caravan—See United Mfg Co
Clark Equipment Co Automotive Div Buchanan 2 Mich (Truck and bus)
Eaton Mfg. Co., Axle Div., 739 E. 140th St., Cleveland 10, Ohio. (Truck.)
Hahn Motors Inc 400 S Third St Hamburg Pa "Spangler" (Dual, for trucks)
Page & Page Co 0605 S W Curry St Portland 1 Ore
Rockwell-Standard Corp Transmission & Axle Div 100 Clark Ave Detroit 32 Mich "Timken-Detroit" (Truck and bus)
Shuler Axle Co 2901 S Second St Louisville 8 Ky
Spangler—See Hahn Motors Inc
Timken - Detroit — See Rockwell - Standard Corp
United Mfg Co 5250 Dobeckmun Ave Cleveland 2 Ohio "Caravan"

AXLES, Front Drive

American Coleman Co Littleton Colo (For conversions of Ford, Chevrolet, International, GMC, Dodge, Mack, White, Reo and Autocar trucks)
F A B Mfg Co 1249 67th St Oakland 8 Calif "Fabco"
Fabco—See F A B Mfg Co
Marmon-Herrington Co 1511 W Washington St Indianapolis 7 Ind (For Ford conversions)
Rockwell-Standard Corp Transmission & Axle Div 100 Clark Ave Detroit 32 Mich "Timken-Detroit" (For trucks)
Timken - Detroit — See Rockwell - Standard Corp

AXLES, Rear

(Complete rear axle units; for axle parts—See specific article)

Clark Equipment Co Automotive Div Buchanan 2 Mich (Truck and bus)
Cook Bros Equipment Co 3334 San Fernando Rd Los Angeles 65 Calif
Dana Corp 4100 Bennett Rd Toledo 1 Ohio "Spicer"
Eaton Mfg. Co., Axle Div., 739 E. 140th St., Cleveland 10, Ohio. (Tandem for trucks.)
Hendrickson Mfg. Co 8001 W 47th St Lyons Ill (Wheel reduction)
Napco Industries Inc Napco Axle Div 834 N Seventh St Minneapolis 11 Minn
Rockwell-Standard Corp Transmission & Axle Div 100 Clark Ave Detroit 32 Mich "Timken-Detroit" (Also tandem for trucks)
Spicer—See Dana Corp
Timken - Detroit — See Rockwell - Standard Corp

AXLES, Rear (Two Speed)

Eaton Mfg Co Axle Div 739 E 140th St Cleveland 10 Ohio (Single and double reduction)
Rockwell-Standard Corp Transmission & Axle Div 100 Clark Ave Detroit 32 Mich "Timken-Detroit" (For trucks)
Timken - Detroit — See Rockwell - Standard Corp

AXLES, Supplementary (Truck)

F A B Mfg Co 1249 67th St Oakland 8 Calif

AXLES, Trailer

(Finished or machined trailer axles, for trailer axle forgings—See Forgings)

Brown Corp., 213 Bellevue Ave., Syracuse, N. Y. (House.).
Caravan—See United Mfg. Co.
Clark Equipment Co Automotive Div Buchanan 2 Mich
Fayette Mfg Co Box 8 Fayette Ohio
Frazier—See Springfield Body & Trailer Co
French & Hecht Div Kelsey-Hayes Co PO Box 696 Davenport Iowa
Hammer Blow Tool Co., 602½ Third St., Wausau, Wis. "Torq-less."
K-B—See Kay-Brunner Steel Products Inc
Kay-Brunner Steel Products Inc 999 Meridian Ave Alhambra Calif "K-B" (Truck)
Kingham Trailer Co., 15th & Hill Sts., Louisville, Ky.
Liggett Spring & Axle Co., Monongahela, Pa.
Liggett Supply & Equipment Co 2030 S Main St Elkhart Ind
Loadcraft — See Spencer-Safford Loadcraft Inc
Napco Industries Inc Napco Axle Div 834 N Seventh St Minneapolis 11 Minn
Prior Products Inc 4828 Racell St Dallas Tex "Prior-Linco"
Rockwell-Standard Corp Transmission & Axle Div 100 Clark Ave Detroit 32 Mich "Timken-Detroit"
Shamrock Trailers & Axle Mfg Co 13447 Schaefer St Detroit, Mich
Shuler Axle Co 2901 S Second St Louisville 8 Ky
Slimp Axle Products Highway 99 West (P O Box 449) Colton Calif (Steering)
Spencer Mfg Co 225 N Main St Spencer Ohio
Spencer-Safford Loadcraft Inc Augusta Kan "Loadcraft"
Springfield Body & Trailer Co., 1631 College St., Springfield, Ohio. "Frazier."
Standard Forge & Axle Co., Hunter Station, Montgomery 2, Ala.
Timken - Detroit — See Rockwell - Standard Corp
Torq-less—See Hammer Blow Tool Co
Trucktor Corp P O Box 120 Westfield N J
United Mfg Co 5250 Dobeckmun Ave Cleveland 2 Ohio "Caravan"

BABBITT METAL—See Metals, Bearing

BACKING FABRIC FOR UPHOLSTERY—See Fabric, Backing (For Upholstery)

BAKING LAMPS—See Lamps, Drying, Baking and Heating

BALANCERS, Portable Tool

Aero-Motive Mfg Co 1803 Alcott St Kalamazoo 24 Mich "Zoo" (Up to 200 pounds)
Appleton Electric Co 1701 Wellington Ave Chicago 13 Ill "Retract-O-Reel"
Benjamin Reel Products Inc 10700 Broadway Cleveland 25 Ohio
Black & Decker Mfg 629 Pennsylvania Ave Towson 4 Md
CP—See Chicago Pneumatic Tool Co
Chicago Pneumatic Tool Co 6 E 44th St New York 17 N Y "CP"
Platz Co., 20433 Sherwood Ave., Detroit 34, Mich.
Retract-O-Reel—See Appleton Electric Co
Zoo—See Aero-Motive Mfg. Co.

BALANCING MACHINES, WHEEL—See Machines, Balancing (Wheel)

BALL BEARING SCREWS—See Screws, Ball Bearing

BALL BEARINGS—See Bearings, Ball

BALL CONES, CUPS and RACES—See Cups and Cones, Ball

BALL JOINTS—See Joints, Ball

BALL RACE GRINDING MACHINES — See Machines, Grinding (Ball Race)

BALL RETAINERS—See Retainers, Ball

BALLS, Bearing

(For use in ball bearings—For complete bearings—See Bearings, Ball)

Abbott Ball Co 35 Railroad Pl Hartford 10 Conn
Ace Plastic Co 91 Van Wyck Expressway Jamaica 35 N Y (Plastic and nylon)
Allmetal Screw Products Co 821 Stewart Ave Garden City N Y (Stainless steel)
Andrew Parts Mfg Co 32-70 31st St Long Island City 6 N Y (Steel)
Atlas—See SKF Industries, Inc.

BALLS, Bearing—continued

Coolidge Corp Wildwood Rd & Enoch Dr Middletown O (Chrome alloy and stainless steel)
Gwilliam Co 360 Furman St Brooklyn 1 N Y (Steel)
Hartford Steel Ball Co Drawer Q Sta A Hartford 6 Conn
Hoover Ball & Bearing Co Ann Arbor Mich (Steel)
New Departure Div General Motors Corp 269 N Main St Bristol Conn (Steel)
SKF Industries Inc Front St & Erie Ave Philadelphia 32 Pa "Atlas" (Steel)
Strom Steel Ball Co Erwin Tenn (Steel, brass, bronze, Monel metal and stainless steel)
Superior Steel Ball Co 20 Lake St New Britain Conn (Steel)

BAND SAW BLADES—See Blades, Saw (Band)

BAND SAWING MACHINES—See Machines, Sawing (Band)

BANDS, ENDLESS ABRASIVE—See Belts or Bands, Endless Abrasive (Industrial)

BARREL HOLDERS—See Holders, Oil Barrel and Can

BARRELS, Blast Cleaning

Pangborn Corp 200 Pangborn Blvd Hagerstown 11 Md "Pangborn Rotoblast"
Wheelabrator Corp 1466 Byrkit St Mishawaka Ind

BARRELS, Burnishing and Tumbling

Almco Queen Products Div King-Seeley Corp 901 E Main St Albert Lea Minn
Baird Machine Co., 1700 Stratford Ave., Stratford, Conn.
Crown Rheostat & Supply Co 1965 Pratt Blvd Elk Grove Village Ill (Tumbling)
Grav-i-Flo Corp 400 Norwood Ave Sturgis Mich
H-VW-M — See Hanson-Van Winkle-Munning Co
Hanson-Van Winkle-Munning Co Matawan N J "H-VW-M" (Burnishing)
Hartford Steel Ball Co Drawer Q Sta A Hartford 6 Conn (Tumbling)
Lorco—See Lord Chemical Co
Lord Chemical Co 2068 S Queen St York Pa "Lorco"
Oakite Products Co 19 Rector St N Y 6 N Y
Pangborn Corp 200 Pangborn Blvd Hagerstown 11 Md (Tumbling)
Rampe Mfg Co 14915 Woodworth Ave Cleveland 10 Ohio (Tumbling)
Ransohoff Inc N 6th St at Ford Blvd Hamilton Ohio
Roto-Finish Co 3700 Milham Rd Kalamazoo Mich
Stevens Inc Frederic B 1800 18th St Detroit 16 Mich
Sutton Engrg Co First National Bank Bldg Pittsburgh 22 Pa (Tumbling)
Whiting Corp., 157th & Lathrop Sts., Harvey, Ill. (Tumbling.)

BARS, Boring (For Machines)

Armstrong Bros Tool Co 5200 W Armstrong Ave Chicago 46 Ill
Bullard Co 286 Canfield Ave Bridgeport 9 Conn "Multi-Bar"
Clark Co., Robert H., 9330 Santa Monica Blvd., Beverly Hills, Calif.
Detroit Boring Bar Co., 690 E. Fort St., Detroit 26, Mich.
Ferry Machine Co P O Box 299 Kent Ohio
Fry Tool Mfg Co Eaton Ohio
Gairing Tool Co 21221 Hoover Rd Detroit 32 Mich
Giddings & Lewis Machine Tool Co Davis Div Fond du Lac Wis
Globe Tools 3380 Robertson Blvd Los Angeles 34 Calif
Lovejoy Tool Co., 133 Main St., Springfield, Vt.
McCrosky Tool Corp., S. Main St., Meadville, Pa.
Madison Industries Inc PO Box 1137 Providence 1 R I
Mallory & Co P R 76 S Gray St Indianapolis 6 Ind
Maxwell Industries Inc 493 E Fifth St Ashtabula Ohio
Multi-Bar—See Bullard Co.
O K Tool Co Milford N H
Scully-Jones & Co 1977 S Rockwell St Chicago 8 Ill
Universal Engineering Co 126 N Main St Frankenmuth Mich
Viking Tool Co 1000 Nichols Rd Shelton Conn
Wesson Co 12200 Woodward Heights Blvd Ferndale 20 Mich (Adjustable)
Wetmore Reamer Co., 420 N. 27th St., Milwaukee 8, Wis. (Adjustable.)
Williams & Co., J. H., 400 Vulcan St., Buffalo 7, N. Y.

BARS, CORED AND SOLID—See Metals, Bearing

BARS, Draw

(For trailer connection)

Holland Hitch Co 430 W 18th St Holland Mich
Premier Mfg Co 4434 S E 25th Ave Portland 2 Ore

BARS, STEEL—See Steel or Iron, Bar; also Steel, Cold Rolled and Drawn Bar

BASE PLATES—See Plates, Surface

BASKETS, Dipping

Buffalo Wire Works Co 506 Terrace St Buffalo 2 N Y
Cambridge Wire Cloth Co Cambridge Md (For heat treating)
Carryers—See Mid-West Wire Products Co
Circo Equipment Co 120 Central Ave Clark N J
Cleveland Wire Cloth & Mfg. Co., 3573 E. 78th St., Cleveland 5, Ohio.
Cooper Co., D. C., 1467 S. Michigan Ave., Chicago 5, Ill.
Darby & Son Inc Edw J 1517 Germantown Ave Philadelphia 22 Pa "Pennsylvania"
Hanson-Van Winkle-Munning Co Matawan N J
Jelliff Mfg. Corp., C. O., Pequot Rd., Southport, Conn.
K & B—See Kirk & Blum Mfg Co
Kirk & Blum Mfg Co 3120 Forrer St Cincinnati 9 O "K & B"
Michigan-Standard Alloy Casting Co 1999 Guoin St Detroit 7 Mich "Misco"
Mid-West Wire Products Co 2555 Fenkell Ave Detroit 38 Mich "Carryers"
Misco—See Michigan-Standard Alloy Casting Co
Pennsylvania—See Edw J Darby & Son Inc
Pressed Steel Co 705 N Pennsylvania Ave Wilkes-Barre Pa
Rolock, Inc., 1350 Kings Highway, Fairfield, Conn.
Smith Co., John P., 433 Chapel St., New Haven 7, Conn.
Stevens Inc Frederic B 1800 18th St Detroit 16 Mich
Tyler Co., W. S., 3615 Superior Ave., Cleveland 14, Ohio.
Wheeling Bronze Casting Co 36th & McColloch Sts Wheeling W Va

BATTERIES, Dry

Bright Star Industries, 600 Getty Ave Clifton N J
Burgess Battery Co Ft of Exchange St Freeport Ill
Eveready—See National Carbon Co
General—See Mallory Battery Co
Mallory Battery Co 13000 Athens Ave W Cleveland 7 Ohio "General"
Mallory & Co P R 76 S Gray St Indianapolis 6 Ind (Mercury)
National Carbon Co 30 E 42nd St New York 17 N Y "Eveready"
Olin Mathieson Chemical Corp 275 Winchester Ave New Haven 4 Conn
Ray-O-Vac Co 212 E Washington Ave Madison 10 Wis
Underwood Battery Co 1220 W 6th St Cleveland 13 Ohio (Flashlight)

BATTERIES, Storage (Auto)

ABCO—See Automatic Battery Co of America
American Battery Co 1520 McGavock St Nashville 3 Tenn
Am-plus Storage Battery Co 1000 W 94th St Chicago 20 Ill
Auto-Lite—See Electric Auto-Lite Co
Automatic Battery Co of America 132 S Center St Goldsboro N C "ABCO"
Bowers Battery & Spark Plug Co Reading Pa
Coliseum—See Universal Battery Co.
Comet—See Standard Electric Co
Continental Battery Co 4919 Woodall St Dallas 7 Tex
Continental Mfg Corp 10411 W Washington Blvd Culver City Calif "Life-Time"
Crescent Battery & Light Co 813 Camp St New Orleans 12 La
Cumberland Battery Mfg Co 201 First Ave S Nashville 3 Tenn "Southern"
Deka—See East Penn Mfg Co
Delco-Remy Div General Motors Corp 2401 Columbus Ave Anderson Ind
Douglas Battery Mfg Co Winston Salem N C
Duraglide—See Pate Oil Co
East Penn Mfg Co Lyons Station Pa "Deka"
Electric Auto-Lite Co Battery Divs Toledo 1 Ohio "Auto-Lite"
Exeter—See Laher Battery Production Co
Exide Sales Automotive Div Electric Storage Battery Co P O Box 6266 Cleveland 1 Ohio
Ful-O-Pep—See Standard Electric Co.
Gates Rubber Co 999 S Broadway Denver 17 Colo (Truck and bus)
General Tire & Rubber Co Englewood & Holmes Ave Akron 9 Ohio
Gill Electric Mfg Corp 624 W Citrus Ave Redlands Calif
Globe Union, Inc., 900 E. Keefe Ave., Milwaukee 1, Wis.
Goodrich Industrial Products Co B F 500 S Main St Akron 18 Ohio
Gould-National Batteries Inc E-1201 First National Bank Bldg St Paul 1 Minn "Gould" "Hobbs" "National" "Vesta"
Grant Scott Mariatt Battery Div 1112 Industrial Ave Danville Ill "Mariatt"
Grant Sales Automotive Div Electric Storage Battery Co 708 S Third St Minneapolis 15 Minn
Gulf Oil Corp 1822 Gulf Bldg Pittsburgh 30 Pa
Hobbs—See Gould-National Batteries Inc
Kelly-Springfield Tire Co P O Box 300 Cumberland Md
Laher Battery Production Corp 2615 Magnolia St Oakland 7 Cal "Exeter," "Laher" & "Mustang"
Lee Rubber & Tire Corp Conshohocken Pa
Life-Time—See Continental Mfg Corp
Lyons—See Price Battery Corp
Marathon—See Reliance Battery Products Co.
Mariatt—See Scott Grant Mariatt Battery Div
Multnomah—See Nic-L-Silver Battery Co
Mustang—See Laher Battery Production Corp
National—See Gould-National Batteries Inc
Nic-L-Silver Battery Co 600 Terminal St Santa Ana Calif "Multnomah" "Nic-L-Silver"
Packard—See Reliance Battery Products Co.
Pate Oil Co 3460 W Leeds Pl Milwaukee 15 Wis "Duraglide"
Pennsylvania Tire Co P O Box 377 Mansfield Ohio
Perrine Battery Corp 55 Rumford Ave Waltham Mass "Perrine Polar Bear"
Perry Batteries 3102 Corunna Rd Flint 3 Mich (Auto and bus)
Prest-O-Lite Battery Div Electric Auto-Lite Co Toledo Ohio
Price Battery Corp Grand St Hamburg Pa "Thor" ("Lyons" sole distributors Lyons Storage Battery Co Hamburg Pa; "Witherbee" sole distributors Witherbee Storage Battery Co Hamburg Pa)
Prime Battery Mfg Co 2001 W 8th St Anderson Ind
Reading Batteries Div Electric Auto-Lite Co 4700 Fifth Street Highway Temple Pa "Rebat"
Rebat—See Reading Batteries Div Electric Auto-Lite Co
Red Diamond Battery Mfg Co 1415 N Adams St Peoria 3 Ill
Reliable—See Standard Electric Co.
Reliance Battery Products Co 2211 S Eighth St Council Bluffs Iowa "Marathon" "Packard" "Reliance"
Scranton Storage Battery Corp Delaware St Archbald Pa
Southern—See Cumberland Battery Mfg Co
Southland Battery Co 2040 Amelia St Dallas Tex
Standard Electric Co PO Box 6356 San Antonio Tex "Reliable" "Star" "Stelco" "Ful-O-Pep" "Comet"
Star—See Standard Electric Co.
States Batteries Inc 3455 S Lacienega Blvd Los Angeles 16 Calif
Stelco—See Standard Electric Co.
Surrette Storage Battery Co., Jefferson Ave., Salem, Mass.
Thor—See Price Battery Corp.
Trojan Battery Co 724 E 61st St Los Angeles Calif
Universal Battery Co., 3410 S. La Salle St., Chicago 16, Ill. "Universal." "Coliseum."
Vesta—See Gould-National Batteries Inc
Willard Sales Automotive Div Electric Storage Battery Co P O Box 6266 Cleveland 1 Ohio
Wisco Div Electric Storage Battery Co Racine Wis
Witherbee—See Price Battery Corp

BATTERIES, Storage (Industrial)

(For industrial trucks and tractors)

C & D Batteries, Inc., Conshohocken, Pa.
Edison—See Storage Battery Div Thomas A Edison Industries
Exide Industrial Div Electric Storage Battery Co 2 Penn Center Plaza 15 St & Pennsylvania Blvd Philadelphia Pa
Gould-National Batteries Inc Industrial Div 467 Calhoun St Trenton 7 N J "Gould," "Kathanode"
Kathanode—See Gould-National Batteries Inc
Reading Batteries Div Electric Auto-Lite Co 4700 Fifth Street Highway Temple Pa "Rebat"
Rebat—See Reading Batteries Div
Southland Battery Co 2040 Amelia St Dallas Tex
Storage Battery Div Thomas A Edison Industries McGraw-Edison Co West Orange N J "Edison"
Trojan Battery Co 724 E 61st St Los Angeles Calif

BATTERY CARRIERS—See Carriers, Storage Battery

BATTERY CHARGERS, INDUSTRIAL TRUCK—See Chargers, Battery (Industrial Truck)

BATTERY PARTS and SUPPLIES—See Bolts, Battery Hold Down; Boxes, Battery; Cables; Clamps, Battery Hold Down; Compounds, Battery Sealing; Covers, Storage Battery; Electrolyte; Paints; Storage Battery Terminal; Parts, Storage Battery; Separators, Storage Battery; Terminals, Storage Battery

BEARING METALS—See Metals, Bearing

BEARING OIL GROOVING MACHINES—See Machines, Oil Grooving

BEARINGS, Ball

(See also Balls, Bearing; Cups and Cones Ball; also Retainers Ball)

ABC—See American Ball Bearing Co
ATB—See Automotive Thrust Bearings Corp
Aetna Ball & Roller Bearing Co Div of Parkersburg-Aetna Corp 4600 Schubert Ave Chicago 39 Ill (Thrust and angular contact)
Ahlberg Bearing Co 3025 W 47th St Chicago 32 Ill
American Ball Bearing Co 70 Flushing Ave Brooklyn 1 N Y "ABC"
Andrew Parts Mfg Co 32-70 31st St Long Island City 6 N Y
Andrews Bearing Co PO Box 570 Spartanburg S C (Thrust)
Automotive Thrust Bearings Corp 2021 S Michigan Ave Chicago 16 Ill "ATB"
BCA—See Bearings Co of America Div Federal-Mogul-Bower Bearings Inc
B&RB—See Ball & Roller Bearing Co.
Ball & Roller Bearing Co., 22 Maple Ave., Danbury, Conn. "B&RB."
Bearings Co of America Div of Federal-Mogul-Bower Bearings Inc 501 Harrisburg Ave Lancaster Pa "BCA"
Boston Gear Works Div Murray Corp 14 Hayward St Quincy 71 Mass
Burgess-Norton Mfg Co 737 Peyton St Geneva Ill (Assemblies)
Continental Bearings Corp 2515 S Wabash Ave Chicago 16 Ill
Fafnir Bearing Co., 37 Booth St., New Britain, Conn.
Federal Bearings Co., 17 Fairview Ave., Poughkeepsie, N. Y.
General Pressed Metal Corp 926 Wolf St Syracuse 8 N Y
Gilpak Automotive Products Div Packer Auto Parts Inc Roselle N J
Green Ball Bearing Co 9518 Cassius Ave Cleveland 5 Ohio
Gwilliam Co 360 Furman St Brooklyn 1 N Y
Hess Bright—See SKF Industries Inc
Hoover Ball & Bearing Co., Ann Arbor, Mich.
International Parts Corp 4101 W 42nd Pl Chicago 32 Ill
Kaydon Engineering Corp Muskegon Mich
L & S Bearing Co 6 S Pennsylvania Ave Oklahoma City Okla
M-R-C—See Marlin-Rockwell Corp.
Majestic Bearing Div of Continental Bearings Corp 2515 S Wabash Ave Chicago 16 Ill
Marlin-Rockwell Corp 402 Chandler St Jamestown N Y "M-R-C"
Master Parts Div Airtex Products Inc Fairfield Ill
New Departure Div General Motors Corp 269 N Main St Bristol Conn
Nice Ball Bearing Co 30th St & Hunting Park Ave Philadelphia 40 Pa
Norma-Hoffmann Bearings Corp Hamilton Ave Stamford Conn
SKF Industries Inc Front St & Erie Ave Philadelphia 32 Pa "SKF" & "Hess Bright"
Schatz Mfg Co Poughkeepsie N Y
Sealmaster—See Stephens-Adamson Mfg. Co.
Split Ballbearing Div of MPB Inc Lebanon N H
Stephens-Adamson Mfg. Co., 150 Ridgeway St., Aurora, Ill. "Sealmaster."
Thomson Industries Inc 1029 Plandome Rd Manhasset N Y (Linear)
Torrington Co 59 Field St Torrington Conn
Wagner Mfg Co 2 R 4611 N 32nd St Milwaukee 16 Wis

BEARINGS, BRONZE — See Bearings and Bushings, Bronze

BEARINGS, Clutch Throwout

A.T.B.—See Automotive Thrust Bearings Corp.
Accurate Re-Nu Clutch Div of Mar Pro Inc 168 N Michigan Ave Chicago 1 Ill
Aetna Ball & Roller Bearing Co Div of Parkersburg-Aetna Corp 4600 Schubert Ave Chicago 39 Ill (Ball)
Andrew Parts Mfg Co 32-70 31st St Long Island City 6 N Y
Automotive Thrust Bearings Corp 4634 Parker Ave Chicago 39 Ill "ATB"
BCA—See Bearings Co of America Div of Federal-Mogul-Bower Bearings Inc
Bearings Co of America Div of Federal-Mogul-Bower Bearings Inc 501 Harrisburg Ave Lancaster Pa "BCA"
Green Ball Bearing Co 9518 Cassius Ave Cleveland 5 Ohio
L & S Bearing Co 6 S Pennsylvania Ave Oklahoma City Okla
Lempco Products Inc 5490 Dunham Rd Bedford Ohio
Nice Ball Bearing Co., 30th St. & Hunting Park Ave. Philadelphia 40, Pa.
Perfection Gear Co 152nd St & Vincennes Ave Harvey Ill
Preferred Electric Wire Co Bush Terminal Bldg No 8 Brooklyn 32 N Y
Pure Carbon Co., 441 Hall Ave., St. Marys, Pa. "Purebon."
Purebon—See Pure Carbon Co.
SKF Industries Inc Front St & Erie Ave Philadelphia 32 Pa
Schatz Mfg Co Poughkeepsie N Y

BEARINGS, CONNECTING ROD—See Bearings and Bushings, Bronze-Backed; also Bearings and Bushings, Die Cast (Babbitt, etc.); also Bearings & Bushings, Steel-Backed

BEARINGS, METALLIC POWDER — See Parts, Metallic Powder

BEARINGS, NEEDLE ROLLER—See Bearings, Roller (Needle)

BEARINGS, Pillow Block

Link-Belt Co Dept 59-AIPG Prudential Plaza Chicago 1 Ill (Babbitted ball and roller)

BEARINGS, Roller

(See also Bearings, Roller, Tapered)

ABC—See American Ball Bearing Co
Aetna Ball & Roller Bearing Co Div of Parkersburg-Aetna Corp 4600 Schubert Ave Chicago 39 Ill
American Ball Bearing Co 70 Flushing Ave Brooklyn 1 N Y "ABC"
Andrew Parts Mfg Co 32-70 31st St Long Island City 6 N Y
B&RB—See Ball & Roller Bearing Co
Ball & Roller Bearing Co 22 Maple Ave Danbury Conn "B&RB"
Bower Roller Bearing Div Federal-Mogul-Bower Bearings Inc 3040 Hart Ave Detroit 14 Mich
Continental Bearings Corp 2515 S Wabash Ave Chicago 16 Ill
Geneva Metal Wheel Co., 191 Factory Row, Geneva, Ohio.
Gilpak Automotive Products Div Packer Auto Parts Inc Roselle N J
Gwilliam Co 360 Furman St Brooklyn 1 N Y
Hess Bright—See SKF Industries Inc
Hoover Ball & Bearing Co., Ann Arbor, Mich.
Hyatt Bearings Div., General Motors Corp., Harrison, N. J
International Parts Corp 4101 W 42nd Pl Chicago 32 Ill
Kaydon Engineering Corp., Muskegon, Mich.
L & S Bearing Co 6 S Pennsylvania Ave Oklahoma City Okla
Majestic Bearing Div of Continental Bearings Corp 2515 S Wabash Ave Chicago 16 Ill
Norma-Hoffmann Bearing Corp., Hamilton, Ave., Stamford, Conn.
Orange Roller Bearing Co., 557 Main St., Orange, N. J.
R B C—See Roller Bearing Co. of America.
Roller Bearing Co of America Sullivan Way West Trenton N J "R B C"
Rollway Bearing Co 841 Seymour St Syracuse 4 N Y
SKF Industries Inc Front St & Erie Ave Philadelphia 32 Pa "SKF" & "Hess Bright" (Also cylindrical and spherical)
Split Ballbearing Div of MPB Inc Lebanon N H
Timken Roller Bearing Co 1835 Dueber Ave S W Canton 6 Ohio
Torrington Co 59 Field St Torrington Conn
Tyson Bearing Co Div of SKF Industries Inc Oberlin & Thomas Aves Massillon Ohio

BEARINGS, Roller (Needle)

Andrew Parts Mfg Co 32-70 31st St Long Island City 6 N Y
Kaydon Engineering Corp., Muskegon, Mich.
Orange Roller Bearing Co., 557 Main St., Orange, N. J.
Torrington Co 59 Field St Torrington Conn

BEARINGS, Roller, Tapered (Auto)

ABC—See American Ball Bearing Co
American Ball Bearing Co 70 Flushing Ave Brooklyn 1 N Y "ABC"
Bower Roller Bearing Div Federal-Mogul-Bower Bearings Inc 3040 Hart Ave Detroit 14 Mich
Hyatt Bearings Div General Motors Corp Harrison N J
SKF Industries Inc Front St & Erie Ave Philadelphia 32 Pa
Timken Roller Bearing Co 1835 Dueber Ave S W Canton 6 Ohio
Torrington Co 59 Field St Torrington Conn
Tyson Bearing Co Div of SKF Industries Inc Oberlin & Thomas Aves Massillon Ohio

BEARINGS, Shaft, Oilless (Industrial)

Bound Brook Oil-Less Bearings Co Lincoln Blvd Bound Brook N J
Bronze Bearings Inc 340 North Ave E Cranford N J
Gatke Corp 228 N La Salle St Chicago 1 Ill "Gatke Graflex"
Johnson Bronze Co 510 S Mill St New Castle Pa "Ledaloyl"
Keystone Carbon Co 1935 State St St Marys Pa "Selflube" (Porous bronze iron and stainless steel)
Ledaloyl—See Johnson Bronze Co
Moraine Products Div General Motors Corp 1420 Wisconsin Blvd Dayton Ohio
Oilite—See Chrysler Corp Amplex Div
Randall Graphite Bearings Inc Greenlawn & Lake Sts Lima Ohio
Selflube—See Keystone Carbon Co
Wakefield Bearing Corp 29 Foundry St Wakefield Mass

BEARINGS THRUST—See Bearings, Ball; also Bearings Roller

BEARINGS and BUSHINGS, Aluminum

Federal-Mogul Div Federal-Mogul-Bower Bearings Inc 11031 Shoemaker Ave Detroit 13 Mich "Federaloy"
Federaloy—See Federal-Mogul Div
McQuay-Norris Mfg Co 2320 Marconi Ave St Louis 10 Mo (Bearings)

BEARINGS AND BUSHINGS, Bronze

(For cored bushing bars—see Metals, Bearings; for die cast bearings—see Bearings and Bushings, Die Cast (Babbitt, etc.); also Castings, Die; for bushing metals—see Metals, Bearing; for bronze-backed babbitt-lined bearings and bushings—see Bearings and Bushings, Bronze-Backed)

Aluminum Industries Inc 3670 Werk Rd Cincinnati 11 Ohio "Permite" (Bushings)
American Motor Products Co Fond du Lac Wis "Ampco" (Bushings)
Ampco—See American Motor Products Co
Andrew Parts Mfg Co 32-70 31st St Long Island City 6 N Y (Bushings)
Autocrat—See United American Metals Corp
Bear-N-Bronz—See Boston Gear Works Div Murray Corp
Bearium Metals Corp Mill & Commercial Sts Rochester 14 N Y
Beckett Bronze Co 20th & S Walnut Sts Muncie Ind (Bushings)

BEARINGS AND BUSHINGS, Bronze—continued

Boston Gear Works Div Murray Corp 14 Hayward St Quincy 71 Mass "Bear-N-Bronz" Bearings
Bronze Bearings Inc 340 North Ave E Cranford N J
Buckeye Brass & Mfg Co 6410 Hawthorne Ave Cleveland 3 Ohio
Bunting Brass & Bronze Co 715 Spencer St Toledo 9 Ohio (Bushings)
Burlington Brass Works Burlington Wis (Bushings)
Cannon Bronze Corp Keithsburg Ill (Special thrust bearings; special bushings)
Centrificast—See United American Metals Corp
Circle Z RFD #2 Pomfret Center Conn (Bushings)
Cleveland Graphite Bronze Div of Clevite Corp 17000 St Clair Ave Cleveland 10 Ohio **(Bushings)**
Coprex—See Wakefield Bearing Corp
Durex—See Moraine Products Div General Motors Corp
F & B Mfg Co 4248 W Chicago Ave Chicago 51, Ill "Filko" (Generator, starter and distributor bushings)
Federal-Mogul Div Federal-Mogul-Bower Bearings Inc 11031 Shoemaker Ave Detroit 13 Mich "Federaloy"
Filko—See F & B Mfg Co
Grand Haven Brass Foundry 230 N Hopkins St Grand Haven Mich (Bushings)
Guaranteed Parts Co Seneca Falls N Y (Generator and starter bushings.)
Johnson Bronze Co 510 S Mill St New Castle Pa (Bushings)
Keystone Carbon Co 1935 State St St Marys Pa **"Selflube" (Bushings)**
Markey Bronze Bushing Co Delta Ohio
Moccasin Bushing Co 2000 Chestnut St Chattanooga Tenn (Bushings)
Moraine Products Div General Motors Corp 1420 Wisconsin Blvd Dayton Ohio "Durex" "Moraine" (Bushings)
Permite—See Aluminum Industries Inc
Pittsburgh Brass Mfg Co 3155 Penn Ave Pittsburgh 1 Pa (Bushings)
Randall Graphite Bearings Inc Greenlaw & Lake Sts Lima Ohio (Bearings)
Selflube—See Keystone Carbon Co
Shenango Furnace Co Centrifugal Cast Products Div Dover Ohio
Standard Brass Works 1810 W St Paul Ave Milwaukee Wis (Bushings)
Superior Kendrick Bearings Inc 312 S Crawford St Detroit 17 Mich
True Alloys Inc 284 S Summit St Detroit 9 Mich **(Bushings)**
United American Metals Corp 970 Meeker St Brooklyn 22 N Y "Autocrat" "Centrificast" "XX Autocrat" (Bushings)
Valley Forge Products Inc 370 19th St Brooklyn 15 N Y (Bushings)
Wagner Mfg Co E R 4611 N 32nd St Milwaukee 16 Wis (Bushings)
Wakefield Bearing Corp 29 Foundry St Wakefield Mass "Coprex" **(Bushings)**
Wheeling Bronze Casting Co 36th & McColloch Sts Wheeling W Va (Bushings)
XX Autocrat—See United American Metals Corp

BEARINGS and BUSHINGS, Bronze-Backed

(See also Bearings and Bushings, Die Cast (Babbitt, etc.); also Bearings and Bushings, Bronze; also Castings, Die; for bearing or bushing metal—See Metals, Bearing)

Bohn Aluminum & Brass Corp 1400 Lafayette Bldg Detroit 26 Mich "Bohnalite"
Bronze Bearings Inc 340 North Ave E Cranford N J
Buckeye Brass & Mfg Co 6410 Hawthorne Ave Cleveland 3 Ohio
Bunting Brass & Bronze Co 715 Spencer St Toledo 9 Ohio
Cleveland Graphite Bronze Div of Clevite Corp 17000 St Clair Ave Cleveland 10 Ohio
Cyclon—See Detroit Aluminum & Brass Corp
Detroit Aluminum & Brass Corp 3975 Christopher Ave Detroit 11 Mich "Cyclon" "Michigan" (Bearings)
Federal-Mogul Div Federal-Mogul-Bower Bearings Inc 11031 Shoemaker Ave Detroit 13 Mich "Federaloy"
Federaloy—See Federal Mogul Div
Fobert & Co P J 1720 Cloverfield St Santa Monica Calif (Bearings)
Johnson Bronze Co., 510 S. Mill St., New Castle, Pa.
McQuay-Norris Mfg. Co., 2320 Marconi St., St. Louis, Mo. (Bearings.)
Michigan—See Detroit Aluminum & Brass Corp
Pioneer Motor Bearing Co 116 Beacon St South San Francisco 9 Calif (Babbitt lined)

BEARINGS and BUSHINGS, Die Cast, Babbitt, etc.

(See also Bearings and Bushings, Bronze-backed; also Bearings and Bushings, Bronze; also Castings, Die; for bearing or bushing metal—See Metals, Bearing)

Cleveland Graphite Bronze Div of Clevite Corp 17000 St Clair Ave Cleveland 10 Ohio
Detroit Aluminum & Brass Corp 3975 Christopher Ave Detroit 11 Mich "Michigan"
McQuay-Norris Mfg. Co., 2320 Marconi St., St. Louis, Mo. (Bearings.)
Mallory & Co., P. R., 3029 E. Washington St., Indianapolis, Ind.
Michigan—See Detroit Aluminum & Brass Corp.
National Molded Products Inc 40 S St Marys St St Marys Pa

BEARINGS and BUSHINGS, Nylon

Danco—See Danielson Mfg Co
Danielson Mfg Co Danielson Conn "Danco"
Polymer Corp 2120 Fairmont Ave Reading Pa "Polypenco"
Polypenco—See Polymer Corp
Thomson Industries Inc 1029 Plandome Rd Manhasset N Y "Nylined" (Bearings)

BEARINGS and BUSHINGS, Rubber Backed

Clevite Harris Products Inc Lockwood Rd Milan Ohio "Clevebloc" "Silentbloc"

BEARINGS and BUSHINGS, Self-Lubricating (Auto)

(Impregnated wood, graphite bronze or porous bronze)

Amplex Div Chrysler Corp PO Box 2718 Detroit 31 Mich "Oilite" **(Bronze and steel)**
Autolube—See International Powder Metallurgy Co
Bearium Metals Corp Mill & Commercial Sts Rochester 14 N Y
Bost-Bronz—See Boston Gear Works Div Murray Corp
Boston Gear Works Div Murray Corp 14 Hayward St Quincy 71 Mass "Bost-Bronz"
Bound Brook Oil-Less Bearing Co Lincoln Blvd Bound Brook N J ("Powdiron" Porous iron; "Compo" porous bronze; "Bound Brook" graphited-bronze)
Buckeye Brass & Mfg Co 6410 Hawthorne Ave Cleveland 3 Ohio
Bunting Brass & Bronze Co., 715 Spencer St., Toledo 9, Ohio.
Carbolube—See Carbone Corp
Carbone Corp Myrtle Ave Boonton N J "Carbolube"
Cleveland Graphite Bronze Div of Clevite Corp 17000 St Clair Ave Cleveland 10 Ohio
Compo—See Bound Brook Oil-Less Bearing Co
Detroit Sintered Metals Corp 715 Spencer St Toledo 1 Ohio (Porous bronze porous iron-copper & porous iron)
Ductiloy—See National Molded Products Inc
F & B Mfg Co 4248 W Chicago Ave Chicago 51 Ill
Fabroid—See Micro Precision Div
Gatke Corp., 228 N. La Salle St., Chicago 1, Ill. "Gatke Graftex."
Gramix—See United States Graphite Co.
Graphex—See Wakefield Bearing Corp
Graphitar—See United States Graphite Co
International Powder Metallurgy Co 439 W Main St Ridgway Pa "Autolube"
Johnson Bronze Co., 510 S. Mill St., New Castle, Pa
Keystone Carbon Co 1935 State St St Marys Pa "Selflube"
Micro-Precision Div of Micromatic Hone Corp 1535 Grande Vista Ave Los Angeles 23 Calif "Fabroid" (Bearings)
Moraine Products Div General Motors Corp 1420 Wisconsin Blvd Dayton Ohio
National Molded Products, Inc., 40 S. St. Marys St., St. Marys, Pa. "Ductiloy," "Sintriloy" (Bronze.)
Neveroil—See O & S Bearing & Mfg Co
O & S Bearing & Mfg Co 777 W 8 Mile Rd Whitmore Lake Mich "Neveroil"
Oilite—See Amplex Div Chrysler Corp
Paramount Oilless Bearing Co 99 Hope Ave Worcester 3 Mass "Pobco" (Wood)
Pobco—See Paramount Oilless Bearing Co
Powdiron—See Bound Brook Oil-Less Bearing Co
Preferred Electric & Wire Co., Bush Terminal Bldg. No. 8, Brooklyn 32, N. Y.
Pure Carbon Co., 441 Hall Ave., St. Marys, Pa. "Purebon."
Randall Graphite Bearings Inc Greenlawn & Lake St Lima Ohio
Selflube—See Keystone Carbon Co
Sintriloy—See National Molded Products, Inc.
United States Graphite Co., 1621 Holland Ave., Saginaw, Mich. "Gramix," "Graphitar."
Wakefield Bearing Corp 29 Foundry St Wakefield Mass "Graphex" "Woodex"
Woodex—See Wakefield Bearing Corp

BEARINGS and BUSHINGS, Steel-Backed

Al-Fin Div Fairchild Engine & Airplane Corp West Babylon L I N Y (Aluminum lined)
Bimetal—See Cleveland Graphite Bronze Div
Bohn Aluminum & Brass Corp 1400 Lafayette Bldg Detroit 26 Mich "Bohnalite"
Cleveland Graphite Bronze Div of Clevite Corp 17000 St Clair Ave Cleveland 10 Ohio "Clevite 77" "Bimetal" "Trimetal"
Clevite 77—See Cleveland Graphite Bronze Div
Detroit Aluminum & Brass Corp 3975 Christopher Ave Detroit 11 Mich **"Michigan"** (Bearings)
Dura-Bond Bearing Co 715 Loma Verde Ave Palo Alto Calif (Babbitt lined bearings)
Federal-Mogul Div Federal-Mogul-Bower Bearings Inc 11031 Shoemaker Ave Detroit 13 Mich "Federaloy"
Federaloy—See Federal-Mogul Div
International Parts Corp 4101 W 42nd Pl Chicago 32 Ill
Johnson Bronze Co 510 S Mill St New Castle Pa
McQuay-Norris Mfg. Co., 2320 Marconi St., St. Louis, Mo. (Bearings.)
Michigan—See Detroit Aluminum & Brass Corp.
Moraine Products Div., General Motors Corp., 1420 Wisconsin Blvd., Dayton, Ohio.
Pioneer Motor Bearing Co 116 Beacon St South San Francisco 9 Calif (Babbitt lined)
Toledo Steel Products Div of Thompson Ramo Wooldridge Inc 6402 Cedar Rd Cleveland 3 Ohio (Engine bearings)
Trimetal—See Cleveland Graphite Bronze Div

BELLOWS, Metallic

Barth Corp 12650 Brookpark Rd Cleveland 30 Ohio
Bridgeport Thermostat Div., Robertshaw-Fulton Controls Co 115 Hill St Milford Conn (Thermostatic)
Bristol Co Waterbury 20 Conn
Fulton Sylphon Div., Robertshaw-Fulton Controls Co., W. Cumberland Ave. Knoxville 1, Tenn. "Sylphon." **(Thermostatic.)**
Hydron—See Standard-Thomson Corp
Standard-Thomson Corp Clifford Mfg Co Div 152 Grove St Waltham 54 Mass "Hydron"
Sylphon—See Fulton Sylphon Div., Robertshaw-Fulton Controls Co
Titeflex Inc Hendee St Springfield 4 Mass

BELT FASTENERS—See Clamps, Belt; Fasteners, Belt; also Lacers, Belt

BELT PULLEYS—See Pulleys, Belt

BELTING, Conveyor

Acme Conveyor & Oven Co 31465 W 8 Mile Rd Livonia Mich
Bonded Scale & Machine Co 83 Bellevue Ave Columbus Ohio
Buffalo Weaving & Belting Co 260 Chandler St Buffalo 7 N Y
Cambridge Wire Cloth Co Cambridge Md (Woven wire)
Cohrlastic—See Connecticut Hard Rubber Co
Connecticut Hard Rubber Co 407 East St New Haven 9 Conn "Cohrlastic" (Silicone coated fabric)
Cyclone Fence Dept American Steel & Wire Div United States Steel Corp P O Box 260 Waukegan Ill "Red Tag"
Goodrich B F Industrial Products Co 500 S Main St Akron 18 Ohio
Goodyear Tire & Rubber Co 1144 E Market St Akron 16 Ohio (Cleated)
Hewitt-Robins Inc 666 Glenbrook Rd Stamford Conn
Industrial Heating Equip Co 3570 Fremont Pl Detroit 7 Mich
Manhattan—See Raybestos-Manhattan Inc
May-Fran Engrg Inc 1744 Clarkstone Rd **Cleveland 12 Ohio (Hinged-type steel)**
Raybestos-Manhattan Inc Manhattan Rubber Div 61 Willet St Passaic N J "Manhattan"
Red Tag—See Cyclone Fence Dept
Republic Rubber Div Lee Rubber & Tire Corp Albert St Youngstown 1 Ohio "Super-Excelo"
Scandinavia Belting Co 112 Keswick Ave Charlotte 1 N C "Scandura"

BELTING, Fabric (Industrial)

Black Diamond—See Uniform Hood Lace Co.
Buffalo Weaving & Belting Co., 260 Chandler St., Buffalo 7, N. Y.
Camelcot—See Rossendale Ruboil Co.
Camel Hair—See Rossendale Ruboil Co.
Challenger—See Republic Rubber Div
Dick Co R & J Passaic N J "Dickbelt"
Dickbelt—See R. & J. Dick Co.
Durbar—See Rossendale Ruboil Co.
Fentonia—See Scandinavia Belting Co.
Haywood Industries P O Box 1004 Dayton 1 Ohio "Modac"
Hetmaco—See Hettrick Mfg. Co.
Hettrick Mfg. Co., Summit & Magnolia Sts., Toledo, Ohio. "Hetmaco," "Hotop," "Malabar."
Hotop—See Hettrick Mfg. Co.
Malabar—See Hettrick Mfg. Co.
Modac—See Haywood Industries
Republic Rubber Div Lee Rubber & Tire Corp Albert St Youngstown 1 Ohio "Challenger"
Rossendale Ruboil Co., 30 Euclid Ave., Newark, N. J. "Camel Hair," "Camelcot," "Ruboil," "Durbar."
Ruboil—See Rossendale Ruboil Co.
Rusco—See Russell Mfg. Co.
Russell Mfg. Co., Middletown, Conn. "Rusco."
Scandilex—See Scandinavia Belting Co.
Scandinavia Belting Co 112 Keswick Ave Charlotte 1 N C "Scandinavia" "Fentonia" "Scandilex"
Shawmut—See Wellington Sears Co.
Stetex—See A. T. Stevens Co.
Stevens Co., A. T., 113 E. 28th St., New York 16, N. Y. "Stetex."
Uniform Hood Lace Co 633 E St Clair St Indianapolis 2 Ind "Black Diamond"
Wellington Sears Co., 65 Worth St., New York 13, N. Y. "Shawmut."

BELTING, Flexible Wire (Industrial)

Audubon Wire Cloth Corp., Richmond St. & Castor Ave., Philadelphia 34, Pa.
CF&I-Wickwire—See Colorado Fuel & Iron Corp
Colorado Fuel & Iron Corp Wickwire Spencer Steel Div 575 Madison Ave New York 22, N Y "CF&I-Wickwire"

BELTING, Leather (Industrial)

Albeco—See American Leather Belting Co.
Allen Mfg. Co., W. D., 566 W. Lake St., Chicago, Ill.
American Leather Belting Co., 1455 W. Congress St., Chicago, Ill. "American," "Albeco," "Wizard," "Holdtite," "Flex-Oak."
Chicago-Allis Mfg Corp 113 N Green St Chicago 7 Ill "Reliance" "Sea Lion" "Old Grizzly" "Imperial" "Sterling"
Flex-Oak—See American Leather Belting Co
Graton & Knight Co., 356 Franklin St., Worcester 4, Mass. "Research."
Gripotan—See J E Rhoads & Sons
Gripper—See Rawhide Products Co.
Holdtite—See American Leather Belting Co.
Houghton & Co., E. F., 303 W. Lehigh Ave., Philadelphia 33, Pa. "Vim Tred."
Imperial—See Chicago-Allis Mfg Corp
Miracle—See Rawhide Products Co
Old Grizzly—See Chicago-Allis Mfg Corp
Rawhide Products Co Michigan Ave Kenilworth N J "Gripper" "Miracle"
Reliance—See Chicago-Allis Mfg Corp
Research—See Graton & Knight Co.
Rhoads & Sons J E 2100 W 11th St Wilmington 99 Del "Tannatic" "Texalon" (Plastic reinforced; "Tannate" "Stronghold" "Gripotan")
Sea Lion—See Chicago-Allis Mfg Corp
Sterling—See Chicago-Allis Mfg Corp
Stronghold—See J E Rhoads & Sons
Tannate—See Rhoads & Sons J E
Vim Tred—See Houghton & Co E F
Wabeco—See Warren Belting Co
Warren Belting Co 33 Arctic St Worcester 8 Mass "Warren" "Wabeco"
Wizard—See American Leather Belting Co

BELTING, Rubber (Industrial)

Ajax—See Hewitt-Robins Inc
Anchor Packing Co., 401 N. Broad St., Philadelphia 8, Pa.
Buffalo Weaving & Belting Co., 260 Chandler St., Buffalo 7, N. Y.
Cincinnati Rubber Mfg. Co., Franklin Ave., Norwood, Cincinnati 12, Ohio. "Pacemaker," "Flexicord," "Fidelity."
Condor—See Raybestos-Manhattan Inc Manhattan Rubber Div
Conservo—See Hewitt-Robins Inc
Dayton Rubber Co 2342 Riverview Ave Dayton Ohio "Thorobred"
Dodge Mfg Corp 500 Main St Mishawaka Ind "Sealed Life"
Durkee-Atwood Co 215 Seventh St N E Minneapolis 13 Minn
Fidelity—See Cincinnati Rubber Mfg. Co
Flexicord—See Cincinnati Rubber Mfg Co
Goodrich Industrial Products Co B F 500 S Main St Akron 18 Ohio
Goodyear Tire & Rubber Co E Market St Akron 16 Ohio
Hewitt-Robins Inc 666 Glenbrook Rd Stamford Conn "Ajax" "Hewlite" "Maltese Cross" "Monarch" "Conservo"
Hewlite—See Hewitt-Robins Inc
Lee Rubber & Tire Corp Conshohocken Pa
Maltese Cross—See Hewitt-Robins Inc
Manhattan—See Raybestos-Manhattan Inc Manhattan Rubber Div
Monarch—See Hewitt-Robins Inc
Pacemaker—See Cincinnati Rubber Mfg. Co.
Raybestos-Manhattan Inc Manhattan Rubber Div 61 Willet St Passaic N J "Condor" "Manhattan"
Sealed-Life—See Dodge Mfg Corp
Stevens Co., A. T., 113 E. 28th St., New York 16, N. Y.
Thorobred—See Dayton Rubber Co.
United States Rubber Co., Rockefeller Center, 1230 Ave. of the Americas, New York 20, N. Y.

BELTING, V-Belt (Industrial)

Dayton Industrial Products Co 2001 N Janice Ave Melrose Park Ill
Wood's Sons Co T B Chambersburg Pa "Wood's Sure-Grip"

BELTS, Auto (Fan, Water Pump, Generator, etc.)

Crown Products Co 5277 S 77th St Ralston Neb
Dallas Mfg & Sales Co P O Box 7181 Dallas Tex
Dayton Industrial Products Co 2001 Janice Ave Melrose Park Ill
Durkee-Atwood Co 215 Seventh St N E Minneapolis 13 Minn
Firestone Industrial Products Co Noblesville Ind
Gates Rubber Co 999 S Broadway Denver 17 Colo "Gates Vulco"
Globe Rubber Products Corp 3333 N Lawrence St Philadelphia 40 Pa
Goodrich Industrial Prorducts Co B F 500 S Main St Akron 18 Ohio
Goodyear Tire & Rubber Co 1144 E Market St Akron 16 Ohio
Gripper—See Rawhide Products Co
Haywood Industries P O Box 1004 Dayton 1 Ohio "Modac" (Fan)
Hy-Power—See Lion Auto Parts & Mfg Co
Lion Auto Parts & Mfg Co 1920 S Michigan Ave Chicago 16 Ill "Hy-Power"
Loreman Products Moore & Division Sts Salisbury Md
Miracle—See Rawhide Products Co
Modac—See Haywood Industries
Porter Co H K Thermoid Div 200 Whitehead Rd Trenton 6 N J "Thermoid"
R/M—See Raybestos-Manhattan Inc
Rawhide Products Co Michigan Ave Kenilworth N J "Gripper" "Miracle"
Raybestos-Manhattan Inc Equip Sales Div PO Box 1021 Bridgeport Conn "R/M"
Reeves Bros Inc 1071 Ave of The Americas New York 18 N Y "Vulcan"
Ridbo Laboratories Inc 211 E Harrison St Danville Ill (Fan)
Thermoid—See H K Porter Co Thermoid Div
United States Rubber Co Rockefeller Center 1230 Ave of the Americas New York 20 N Y
Vulcan—See Reeves Bros Inc

BELTS, Safety (Auto and Truck)

Aero-Car—See Russell Mfg Co
Alofs Mfg Co 345 32nd St S W Grand Rapids 8 Mich "Lyfe"
Auto-Crat Mfg Co a Div of B-N Corp 2425 San Fernando Rd Los Angeles 65 Calif
Buckles Co Harry 303 Greer St Sikeston Mo
Bullard Co E D 2680 Bridge Way Sausalito Calif "Bullard Retracto"
Bunke-Musser Inc Box 386 Jackson Center Ohio "Sure-Grip"
Carter Co George R 630 Lycaste Ave Detroit 14 Mich (Auto)
Fabric Mfg Co 97 Chestnut St Newark 5 N J
Guardsman—See Narrow Fabric Co
Hastings Mfg Co N Hanover St Hastings Mich
Hickok Mfg Co 850 St Paul St Rochester 1 N Y
Hinson Mfg Co Westfield Ave & Menges St Waterloo Iowa
International Mfg Co 2512 Washington St Roxbury 19 Mass "Rayline"
Irving Air Chute Co 1315 Versailles Rd Lexington Ky "Irvin"
Karbelts—See Sparton Automotive Div
Lyfe—See Alofs Mfg Co
Narrow Fabric Co Reading Pa "Guardsman"
Rayline—See International Mfg Co
Rose Mfg Co 2700 W Barberry Pl Denver 4 Colo "Safe-Hi" (Auto)
Rupert Parachute Co Wheeling Ill (Auto)
Russell Mfg Co E Main St Middletown Conn "Aero-Car"
Safe-Hi—See Rose Mfg Co
Sav-A-Life—See Stebco Industries Inc
Schlegel Mfg Co 1555 Jefferson Rd Rochester 23 N Y
Southern Weaving Co 4 Evans St Greenville S C
Sparton Automotive Div of Sparton Corp Jackson Mich "Karbelts"
Stebco Industries Inc 1401 W Jackson Blvd Chicago 7 Ill "Sav-A-Life"
Sturges Mfg Co 2030 Sunset Ave Utica 4 N Y
Sure-Grip—See Bunke-Musser Inc
Switlik Parachute Co 1325 E State St Trenton N J
Thomas Co R M 2019 E Willard St Muncie Ind

BELTS, Timing

Morse Chain & Co Ithaca N Y

BELTS or BANDS, Endless Abrasive (Industrial)

Adalox—See Behr-Manning Corp
Armour Alliance Industries 16123 Armour St N E Alliance Ohio
Behr-Manning Corp 1960 Howe St Troy N Y "Adalox" "Durite" "Metalite" "Resinall" "Speed-Wet" "Spiraband" "Spirabelt" "Uniflow"
Cleveland Container Co Abrasive Div 3571 W 62nd St Cleveland 2 Ohio "Nolap" (Sole distributors, Carborundum Co Buffalo Ave Niagara Falls N Y)
Clover Mfg Co 327 Main St Norwalk Conn "Smooth-Run"
DoAll Co 254 N Laurel Ave Des Plaines Ill
Durite—See Behr-Manning Corp
Field Abrasive Mfg Co 1303 Stanley Ave Dayton 4 Ohio "TruCut" (Bands)
Metalite—See Behr-Manning Corp
Minnesota Mining & Mfg Co 900 Bush Ave St Paul 6 Minn "3M"
Nolap—See Cleveland Container Co
Resinall—See Behr-Manning Corp
Smooth-Run—See Clover Mfg Co
Speed-Wet Durite—See Behr-Manning Corp
Spiraband—See Behr-Manning Corp
Spirabelt—See Behr-Manning Corp
Stevens Co A T 113 E 29th St New York 16 N Y
3M—See Minnesota Mining & Mfg Co
TruCut—See Field Abrasive Mfg Co
Uniflow—See Behr-Manning Co

BENCH CENTERS—See Centers, Bench

BENCHES, ENGINE and ELECTRICAL TEST—See Analyzers, Engine and Electrical Equipment; also Stands, Electric Test

BENCHES, WORK (PORTABLE) — See Stands, Portable Tool & Parts

BENDER-CUTTER MACHINES — See Machines, Bender-Cutter (Compressed Air or Hand)

BENDERS, Angle (Hand)

Chicago—See Gustave Lidseen, Inc.
Di-Acro—See O'Neil-Irwin Mfg. Co.
Lewthwaite Machine Co T H 324 E 47th St New York 17 N Y
Lidseen Inc Gustave 332 S Central Ave Chicago Ill "Chicago"
O'Neil-Irwin Mfg Co 514 Eighth Ave Lake City Minn "Di-Acro"
Paul Machine Tool & Die Works 4600 S Kedzie Ave Chicago 32 Ill
Whitney Metal Tool Co 190 Forbes St Rockford Ill

BENDERS, Tube

Chicago—See Gustave Lidseen Inc
Di-Acro—See O'Neil-Irwin Mfg Co
Duro Metal Products Co., 2649 N. Kildare Ave., Chicago 39, Ill.
Edelmann & Co., E., 2332 Logan Blvd., Chicago 47, Ill. "Erco."
Erco—See E. Edelmann & Co
Excello Accessories Mfrs Inc 81 Madison Ave Hempstead N Y
Fairmount Tool & Forging Inc 10611 Quincy Ave Cleveland 6 Ohio
Imperial Brass Mfg Co 6300 W Howard St Chicago 31 Ill
Leonard Precision Products Co 9200 Bolsa Ave Santa Ana Calif "Leonard-Douglas"

BENDERS, Tube—continued

Lidseen of N C Inc 100 First St Hayesville N C "Chicago" (Portable machine)
OTC—See Owatonna Tool Co
O'Neil-Irwin Mfg Co 514 Eighth Ave Lake City Minn "Di-Acro"
Owatonna Tool Co 342 N Cedar St Owatonna Minn "OTC"
Parker Fittings & Hose Div Parker-Hannifin Corp 17325 Euclid Ave Cleveland 12 Ohio
Paul machine Tool & Die Works 4600 S Kedzie Ave Chicago 32 Ill
Pines Engrg Co 601 Walnut St Aurora Ill
Tishken Products Co 13000 W Eight Mile Rd Detroit 37 Mich (Power)
Weatherhead Co Fort Wayne Div 128 W Washington Blvd Ft Wayne Ind
Williams White & Co 3rd Av & 8th St Moline Ill

BENDING MACHINES—See Machines, Bending

BENDING PRESSES—See Presses, Bending

BENDINGS, Tubular

American Tube Bending Co., 15 Lawrence St., New Haven 8, Conn.
Bath Co Cyril 32400 Aurora Rd Solon Ohio
Detroit Tube Products Co., 304 S. Junction Ave., Detroit 9, Mich.
Mueller Brass Co., 1925 Lapeer Ave., Fort Huron, Mich.
Paul Machine Tool & Die Works 4600 S Kedzie Ave Chicago 32 Ill
Steel and Tubes Div., Republic Steel Corp., 224 E. 131st St., Cleveland 8, Ohio.
Tube Manifold Corp 415 Bryant St North Tonawanda N Y
Yoder Co., 5510 Walworth Ave., Cleveland 2, Ohio.

BENDINGS, Wood

(For seat backs)

Lebzelter & Son Co Philip 241 N Queen St Lancaster Pa

BERYLLIUM FORGINGS—See Forgings, Beryllium

BEVELING MACHINES, GLASS—See Machines, Glass Beveling and Grinding

BI-METALS, Thermostatic

Chace Co., W. M., 1600 Beard Ave., Detroit, Mich.
General Plate Div of Metals & Controls Corp 54 Forest St Attleboro Mass "Truflex"
Morflex—See H. A. Wilson Co.
Truflex—See General Plate Div
Wilco—See H. A. Wilson Co.
Wilson Co H A 2655 U S Route 22 Union N J "Wilco" "Morflex"

BINDERS, Panel (Steel or Composite)

(Foundation stiffeners with means provided for fastening foundations to doors)

Randall Co 5000 Spring Grove Ave Cincinnati Ohio

BINDINGS, Upholstery

Backstay Welt Co., Oak & Howard Sts., Union City, Ind. "Hidem."
Brockton Stay Co., 24 Essex St., Haverhill, Mass. "Stayco."
Carter Co., George R., 630 Lycaste Ave., Detroit, Mich.
Fox Edge Co 1995 Middlesex St Lowell Mass "Fox" "Foxtissue" "Foxkraft" "Foxflex" (Welting cord; "Foxtape" seat cover)
Hidem—See Backstay Welt Co; Union Welt Corp; Supreme Mfg Co
Hope Webbing Co P O Box 1495 Providence 1 R I
Kerr Specialty Co 1741 Bellevue Ave Detroit 7 Mich
National Plastic Products Co Odenton Md "Wynene"
Stayco—See Brockton Stay Co.
Supreme Mfg Co 7017 20th Ave Brooklyn N Y "Hidem Welt"
Uniform Hood Lace Co 633 E St Clair St Indianapolis 2 Ind
Union Welt Corp 1316 S Pulaski Rd Chicago 23 Ill "Hidem" "Wire-On"
Vogt Mfg Co 100 Fernwood Ave Rochester 21 N Y
Wire-On—See Union Welt Corp
Wynene—See National Plastic Products Co

BINS, Parts Storage

Akro-Mils Inc 820E Market St Akron 5 Ohio "E-Z Find Full-Vue" "Handy" "Haz-Bin" "Jiffy" "Swing-Bin" "Akro-Mils" "Nifty Knicknack"
American Metal Products Co 5959 Linsdale Ave Detroit 4 Mich
Bathey Mfg Co 100 S Mill St Plymouth Mich
Bay Products Div American Metal Works Inc 1835 W Cambria St Philadelphia 32 Pa (Steel)
Berger Div Republic Steel Corp 1038 Belden Ave N E Canton 5 Ohio "Flexi-Bilt"
Bernard Franklin Co Hedley & Bath Sts Philadelphia 37 Pa
Borroughs Mfg Co 3002 N Burdick St Kalamazoo Mich "Flexi-Bins" & "Handee-Andee"
DeLuxe Metal Furniture Co Struthers St Warren Pa
E-Z Find Full-Vue—See Akro-Mils Inc
Equipto Div Aurora Equipment Co Prairie St at Cleveland Ave Aurora Ill
F G M Quick Bilt—See Frick-Gallagher Mfg Mfg Co
Factory Service Co., 4615 N. 21st St., Milwaukee 9, Wis. "Turner System."
Flexi-Bilt—See Berger Div Republic Steel Corp
Flexi-Bins—See Borroughs Mfg Co
Fort Steuben Metal Products Co Follansbee W Va
Frick-Gallagher Mfg Co 200 W Second St Wellston Ohio "F G M Quick Bilt" (Steel)
Frontier Mfg Co 11200 Harry Hines Bldg Dallas Tex
Handee-Andee—See Borroughs Mfg Co
Handy—See Akro-Mils Inc
Haz-Bin—See Akro-Mils Inc
Heller & Co., W. C., 1907 Wabash Ave., Montpelier, Ohio.
Jiffy—See Akro-Mils Inc
Lyon Metal Products, Inc., 2931 Montgomery St. Aurora, Ill.
Midland Mfg Inc 1100 S McComas St Wichita 12 Kans (Steel)
Miller Wood Products Co Greater Rockford Airport Rockford Ill
Neiman Steel Equipment Co 2960 E Venango St Philadelphia 34 Pa
Nifty Knicknack—See Akro-Mils Inc
Rempco—See Renie Metal Products Corp
Renie Metal Products Corp P O Box 344 Mansfield Ohio "Rempco"
Supreme Steel Equipment Co 53rd St & First Ave Brooklyn 32 N Y
Swing-Bin—See Akro-Mils Inc
Turner System—See Factory Service Co
Union Metal Mfg Co 1432 Maple Ave N E Canton 5 Ohio

BITS, Screwdriving

Apex Machine & Tool Co 1025 Patterson Blvd Dayton Ohio
Continental Screw Co 100 Mt Pleasant St New Bedford Mass "Hy-Pro"

BLADES, Aircraft

Kelsey-Hayes Co 3600 Military Ave Detroit 32 Mich

BLADES, Metal Slitting and Screw Slotting

Century—See Hill Acme Co
Circle R—See Circular Tool Co
Circular Tool Co., 765 Allens Ave., Providence, R. I. "Circle R."
Cowles Tool Co., 2086 W. 110th St., Cleveland, Ohio
Handicraft Tools Inc 48-73 Van Dam St Long Island City 1 N Y "X-acto" (Metal slitting)
Heppenstall Co., 4620 Hatfield St., Pittsburgh 1, Pa. "Kleenkut."
Hill Acme Co Cleveland Knife Div 1201 W 65th St Cleveland 2 Ohio "Peerless" "Century" & "Standard" (Metal slitting)
Hy-Pro Tool Co 461 Mt Pleasant St New Bedford Mass (Screw slotting)
Kleenkut—See Heppenstall Co.
Martindale Electric Co 1340 Hird Ave Cleveland 7 Ohio (Screw slotting)
Ohio Knife Co Dreman Ave & B&O RR Cincinnati 23 Ohio
Peerless—See Hill Acme Co Cleveland Knife Div
Pratt & Whitney, Div. Niles-Bement-Pond Co., Charter Oak Blvd., West Hartford, Conn.
Reltool Corp 4500 W Burnham St Milwaukee 46 Wis
Simonds Saw & Steel Co 470 Main St Fitchburg Mass
Standard—See Hill Acme Co
X-acto—See Handicraft Tools Inc

BLADES, Saw (Band)

American Saw & Mfg Co 67 Boylston St Springfield 1 Mass "Lenox"
Atkins Saw Div Borg-Warner Corp 402 S Illinois St Indianapolis 9 Ind "Silver Steel"
Capewell Mfg. Co., 60 Governor St., Hartford 2, Conn.
Chicago Saws Inc 6137 S Oak Park St Chicago 9 Ill
Diamond Saw Works Inc Chaffee N Y "Sterling" & "Super Sterling"
Disston Div H K Porter Co Unruh & Milnor Sts Tacony Philadelphia 35 Pa
DoAll Co., 254 N. Laurel Ave., Des Plaines, Ill.
Foster Mfg. Co., 287 Delaware Ave., Buffalo 2, N. Y.
Griffin Co G W 93 Memorial St Franklin N H (Sole distributors, John H Graham & Co 105 Duane St New York 8 N. Y.)
Heller Tool Co Heller Dr Newcomerstown Ohio "Nucut"
Lenox—See American Saw & Mfg. Co.
Lippert Saw Co., E. T., 608 Lincoln Ave. (Millvale), Pittsburgh 9, Pa.
Millers Falls Co 57 Wells St Greenfield Mass
Napier Saw Works 22 Cottage St Middletown N Y "Quality"
Nicholson File Co Providence 1 Rd
Nucut—See Heller Tool Co
Quality—See Napier Saw Works
Silver Steel—See Atkins Saw Div Borg-Warner Corp
Simonds Saw & Steel Co., 470 Main St., Fitchburg, Mass.
Spartan Saw Works Inc 152 Fisk Ave Springfield 7 Mass
Starrett Co L S 1-165 Crescent St Athol Mass
Sterling—See Diamond Saw Works, Inc.
Super Sterling—See Diamond Saw Works Inc
Victor Saw Works, 22 Cottage St., Middletown, N. Y.

BLADES, Saw (Circular)

Atkins Saw Div Borg-Warner Corp 402 S Illinois St Indianapolis 9 Ind "Silver Steel"
Black & Decker Mfg Co 629 Pennsylvania Ave Towson 4 Md
Chicago Saw Inc 6137 S Oak Park St Chicago 9 Ill
Circle R—See Circular Tool Co.
Circular Tool Co., 765 Allens Ave., Providence, R. I. "Circle R."
Cowles Tool Co., 2086 W. 110th St., Cleveland, Ohio.
Disston Div H K Porter Co Unruh & Milnor Sts Tacony Philadelphia 35 Pa
Ideal Industries Inc 1014 Park Ave Sycamore Ill (Commutator)
Lippert Saw Co E T 608 Lincoln Ave (Millvale) Pittsburgh 9 Pa
Martindale Electric Co 1340 Hird Ave Cleveland 7 Ohio (Mica undercutting)
Meyers Co W F 1017 14th St Bedford Ind "Meyco"
Motch & Merryweather Machinery Co 1250 E 222nd St Cleveland 7 Ohio "Triple Chip"
Page Slotting Saw Co 1836 Lawrence Ave Toledo 6 Ohio "Pay-edge" (Commutator)
Pay-edge—See Page Slotting Saw Co.
Reltool Corp 4540 W Burnham St Milwaukee 46 Wis
Remington Arms Co 939 Barnum Ave Bridgeport 2 Conn
Silver Steel—See E C Atkins & Co
Simonds Saw & Steel Co., 470 Main St. Fitchburg, Mass. "Simonds Red Streak."
Triple Chip—See Motch & Merryweather Mchy Co
Willey's Carbide Tool Co., 1340 W. Vernor Highway, Detroit 1, Mich.

BLADES, Saw (Hack)

A A A —See Atkins Saw Div Borg-Warner Corp
American Saw & Mfg Co 67 Boylston St Springfield 1 Mass "Lenox"
Atkins Saw Div Borg-Warner Corp 402 S Illinois St Indianapolis 9 Ind "A A A" "Silver Steel"
Black Diamond—See Nicholson File Co
Blackhawk—See New Britain Machine Co
Blue Point—See Snap-On Tools Corp.
Blu-Flex—See Millers Falls Co
Blu-Mol—See Millers Falls Co
Capewell Mfg Co 60 Governor St Hartford 2 Conn "Capewell" "Dafile" "Flex-tung" "Hard-tung" "Safetech" "Technite"
Clemson Bros 22 Cottage St Middletown N Y "Star"
Dafile—See Capewell Mfg Co
Diamond Saw Works Inc Chaffee N Y "Sterling" & "Super Sterling"
Disston Div H K Porter Co Unruh & Milnor Sts Tacony Philadelphia 35 Pa
DoAll Co 254 N Laurel Ave Des Plaines Ill

Duro Metal Products Co., 2649 N. Kildare Ave., Chicago 39, Ill. "Duro-Chrome."
Flex-tung—See Capewell Mfg Co
Forsberg Mfg. Co., 125 Seaview Ave., Bridgeport, Conn. "Whale."
Griffin Co., G. W., 93 Memorial St., Franklin, N. H. (Sole distributors, John H. Graham & Co., 105 Duane St., New York 8, N. Y.)
Hard-tung—See Capewell Mfg Co
Heller Tool Co Heller Dr Newcomerstown Ohio "Nucut"
Jet Edge—See Millers Falls Co
K-D Mfg. Co., 526 N. Plum St., Lancaster, Pa.
Lenox—See American Saw & Mfg. Co.
Milford—See Henry G. Thompson & Son Co.
Millers Falls Co 57 Wells Greenfield Mass "Blu-Flex" "Millers Falls" "Blu-Mol" "Jet Edge" & "Tuf-Flex"
Napier Saw Works 22 Cottage St Middletown N Y "Quality"
New Britain Machine Co Hand Tools Div South St New Britain Conn "Blackhawk" "New Britain"
Nicholson File Co Providence 1 R I "Black Diamond" "Nicholson"
Nucut—See Heller Tool Co
Red Edge—See Simonds Saw & Steel Co
Quality—See Napier Saw Works
Safetech—See Capewell Mfg Co
Silver Steel—See Atkins Saw Div Borg Warner Corp
Simonds Saw & Steel Co 470 Main St Fitchburg Mass "Red End" & "Weld-Edge"
Snap-On Tools Corp 8046 28th Ave Kenosha Wis "Blue Point"
Spartan Saw Works, Inc., 152 Fisk Ave., Springfield 7, Mass.
Star—See Clemson Bros
Starrett Co., L. S., 1 Crescent St., Athol, Mass. (Power and hand.)
Sterling—See Diamond Saw Works, Inc.
Super Sterling—See Diamond Saw Works, Inc.
Technite—See Capewell Mfg Co
Thompson & Son Co., Henry G., 277 Chapel St., New Haven 5, Conn. "Milford."
Tuf-Flex—See Millers Falls Co
Victor Saw Works, 22 Cottage St., Middletown, N. Y.
Weld-Edge—See Simonds Saw & Steel Co
Whale—See Forsberg Mfg. Co.

BLADES, Saw (Hole)

Misener Mfg Co 202 Walton St Syracuse 2 N Y

BLADES, Saw (Hot)

Lippert Saw Co., E. T., 608 Lincoln Ave. (Millvale), Pittsburgh 9, Pa.

BLADES, Saw (Inserted Tooth)

Disston Div H K Porter Co Unruh & Milnor Sts Tacony Philadelphia 35 Pa
Lippert Saw Co., E. T., 608 Lincoln Ave. (Millvale), Pittsburgh 9, Pa.
Simonds Saw & Steel Co 470 Main St Fitchburg Mass

BLAST CLEANING APPARATUS

Lewis Welding & Engrg Corp 1 Interstate St Bedford Ohio
Liqui-Breez—See Tobin-Arp Mfg Co
Macleod Co Box 452 Sharonville Ohio
Pangborn Corp., 200 Pangborn Blvd., Hagerstown 11 Md "Pangborn Rotoblast"
Ruemelin Mfg. Co., 3860 N. Palmer St., Milwaukee, Wis.
Sly Mfg Co W W 4706 Train Ave Cleveland, Ohio. "Siyblast."
Tobin-Arp Mfg Co 6400 Penn Ave S Minneapolis 23 Minn "Liqui-Breez"
Vapor Blast Mfg Co 3025 W Atkinson Ave Milwaukee 9 Wis
White Dental Mfg Co S S Industrial Div 10 E 40th St N Y 16 N Y

BLOCKS, Brake—See Lining, Brake

BLOCKS, Cylinder

Campbell, Wyant & Cannon Foundry Co Muskegon Mich

BLOCKS, Gage

Brown & Sharpe Mfg Co 235 Promenade St Providence 1 R I "Johansson" "C E Johansson" "Jo-Block" "Thrift Block"
DoAll Co., 254 N. Laurel Ave., Des Plaines Ill
Fonda Gage Co 200 Henry St Stamford Conn
Hoke—See Pratt & Whitney Co
Jo-Block—See Brown & Sharpe Mfg Co
Johansson—See Brown & Sharpe Mfg. Co.
Pratt & Whitney Co Charter Oak Blvd West Hartford 1 Conn "Hoke"
Scherr Co., George, 200 Lafayette St., New York 12, N. Y. "Ultra Chex."
Swedish Gage Co of America 10641 Haggerty Ave Dearborn 1 Mich
Taft-Peirce Mfg. Co., 32 Mechanic Ave. Woonsocket, R. I.
Thrift Block—See Brown & Sharpe Mfg Co
Van Keuren Co., 176 Waltham St., Watertown, Mass.
Webber Gage Co., 12900 Triskett Rd., Cleveland 11, Ohio.

BLOCKS or HOISTS, Chain

(See also Cranes, Portable; also Hoists)

Alumilift—See David Round & Son
Auto-Bloc—See David Round & Son.
Blue-Boy—See Chisholm-Moore Hoist Div
Budgit—See Manning Maxwell & Moore Inc
Challenger—See Coffing Hoist Div Duff-Norton Co
Chester Hoist Div of National Screw & Mfg Co Lisbon Ohio "Chester"
Chisholm-Moore Hoist Div Columbus McKinnon Chain Corp Fremont Ave Tonawanda N Y "Cyclone" "Blue-Boy"
Cleveland Crane & Engineering Co., 5866 E. 283rd St., Wickliffe, Ohio. "Cleveland Tramrail"
Coffing Hoist Div Duff-Norton Co 300 Walter St Danville Ill "Challenger" "Mighty Midget" "Safety Pull" "Super Power"
Cyclone—See Chisholm-Moore Hoist Div
Harrington Co Gravers Rd at Turnpike Plymouth Meeting Pa "Packet" "Peerless"
Little Wizard—See David Round & Son.
Manning Maxwell & Moore Inc Shaw-Box Crane & Hoist Div Park & Broadway Muskegon Mich "Budgit"
Mighty Midget—See Coffing Hoist Div Duff-Norton Co
Ohio Hoist Mfg Co 321 S Beaver St Lisbon Ohio
Packet—See Harrington Co
Peerless—See Harrington Co.
R & M—See Robbins & Myers, Inc.
Reading Crane & Hoist Corp 2140 Adams St Reading Pa
Robbins & Myers, Inc., 1345 Lagonda Ave., Springfield, Ohio. "R & M."
Round & Son David Box 883 Cleveland 22 Ohio "Auto-Bloc" "Weston" "Superior" "Little Wizard" "Alumilift"
Safety Pull—See Coffing Hoist Div Duff-Norton Co
Simplex—See Speidel Elevator Corp.
Speidel Elevator Corp., W. Buttonwood & Gordon Sts., Reading, Pa. "Simplex"
Super Power—See Coffing Hoist Div Duff-Norton Co
Superior—See David Round & Son
Weston—See David Round & Son
Wright Hoist Div of American Chain & Cable Co York Pa
Yale & Towne Mfg Co Yale Materials Handling Div 11000 Roosevelt Blvd Philadelphia 15 Pa

BLOCKS, JUNCTION—See Panels, Instrument (With Instruments Assembled)

BLOCKS, V

Challenge Machinery Co First & Columbus St Grand Haven Mich
Machine Products Corp 6771 E McNichols Rd Detroit 12 Mich
Precision Tool & Mfg Co of Illinois 1305 S Laramie Ave Cicero 50 Ill "Uni-V-Blocks"
Starrett Co L S 1-165 Crescent St Athol Mass
Swanson Tool & Machine Products Inc 814 E Eighth St Erie Pa
Taft-Peirce Mfg Co 32 Mechanic St Woonsocket R I
Union Mfg Co 296 Church St New Britain Conn
Uni-V-Blocks—See Precision Tool & Mfg Co of Illinois

BLOW GUNS—See Nozzles, Air

BLOW PIPES, Brazing, Welding and Cutting

American Gas Furnace Co., Lafayette, Spring & Elizabeth Sts., Elizabeth, N. J. (Brazing.)
Dixon Inc William 32 E Kinney St Newark 1 N J (Brazing)
Linde Co 30 E 42nd St New York 17 N Y "Oxweld" "Purox" (Oxy-acetylene)
Oxweld—See Linde Co
Purox—See Linde Co
Tolman Mfg. Co., 19 W. Third St. (South Boston), Boston 27, Mass.

BLOWERS, Heat (Electric)

(For thawing gas or oil lines, melting grease, etc.)

Ace-Sycamore Inc 482 De Kalb Ave Sycamore Ill (Hand portable)
Axivane—See Joy Mfg Co
Breuer Electric Mfg Co 5100 Ravenswood Ave Chicago 40 Ill "Tornado"
Joy Mfg Co 333 Oliver Bldg Pittsburgh 22 Pa "Axivane"
Mack Products Co., 15 Putnam St., Winthrop, Mass.
Tornado—See Breuer Electric Mfg Co
United Shoe Machinery Corp 140 Federal St Boston 7 Mass

BLOWERS, Pressure

ABC—See American Standard Industrial Div
Allis-Chalmers Mfg Co Milwaukee 1 Wis
American Standard Industrial Div Detroit 32 Mich "ABC"
Axivane—See Joy Mfg Co
Champion Blower & Forge Co., Harrisburg Ave. & Charlotte St., Lancaster, Pa.
Clarage Fan Co., North & Porter Sts., Kalamazoo, Mich.
Eclipse Fuel Engineering Co 1111 Buchanan St Rockford Ill
Fisher Furnace Div of Lindberg Engineering Co 2476 W Hubbard St Chicago Ill "Lindberg-Fisher"
Fuller Co 124 Bridge St Catasauqua Pa "Sutorbilt"
Ideal Industries, Inc., 1014 Park Ave., Sycamore, Ill.
Johnston Mfg. Co., 2825 E. Hennepin Ave., Minneapolis, Minn.
Joy Mfg Co 333 Oliver Bldg Pittsburgh 22 Pa "Axivane"
Leiman Bros., Inc., 207 Christie St., Newark 5, N. J.
Lindberg-Fisher—See Fisher Furnace Div. of Lindberg Engineering Co.
Mahr Mfg Co 7444 Girard Ave S Minneapolis 23 Minn
Martindale Electric Co 1340 Hird Ave Cleveland 7 Ohio (Portable electric)
Miehle-Dexter Supercharger Div of Christensen Machine Co 100 4th St Racine Wis
North American Mfg. Co., 4455 E. 71st St., Cleveland 5, Ohio.
Pioneer Air Compressor Co., 120 Chambers St., New York 7, N. Y.
Premier Co 755 Woodlawn Ave St Paul 16 Minn
Schwitzer Corp 1125 Massachusetts Ave Indianapolis 7 Ind
Skil Corp 5033 Elston Ave Chicago 30 Ill "Skil Blowers"
Spencer Turbine Co., 486 New Park Ave., Hartford 6, Conn.
Standard Electric Mfg Co Haddon Ave West Berlin N J
Sutorbilt—See Fuller Co
Westinghouse Electric Corp., Sturtevant Div. 15 Damon St., Hyde Park, Boston 36, Mass.

BLUE, Mechanics'

(For use when adjusting bearings)

Durkee-Atwood Co 215 Seventh St N E Minneapolis 13 Minn
Dykem Co 2301 N 11th St St Louis 6 Mo
Permatex Co 300 Broadway Huntington Station N Y

BLUING FURNACES—See Furnaces Rustproofing

BOARDS, Instrument

(See also Panels, Instrument)

Bristol Co Waterbury 20 Conn
Hamlin Metal Products Co 2741 Wingate Ave Akron 19 Ohio

BOARDS, TOOL CONTROL—See Units, Tool Control

BODIES, Ambulance, Hearse & Funeral Car

Boyertown Auto Body Works Inc Third & Walnut Sts Boyertown Pa (Ambulance)
Eureka Co., 312 W. First St., Rock Falls, Ill. (Hearse and ambulance, for Cadillac chassis.)
Franklin Body & Equipment Corp 1042 Dean St Brooklyn N Y (Ambulance)
Hesse & Eisenhardt Co 8959 Blue Ash Ave Cincinnati 42 Ohio "S&S" (For Cadillac chassis)
M-M—See Miller-Meteor Motor Car Div
Miller-Meteor Motor Car Div Divco Wayne Corp Bellefontaine Ohio "M-M" (Ambulance and funeral car for Cadillac chassis)

BODIES, Ambulance, Hearse and Funeral Car—continued

National Body Mfg Co Main St Knightstown Ind (Ambulance and funeral car)
S&S—See Hesse & Eisenhardt Co
Shop of Siebert Associates Inc Waterville Ohio

BODIES, Bus

Belmont Body Builders 175 Belmont Ave Newark 3 N J
Black & Sons Inc Adam 276 Tonnele Ave Jersey City 6 N J
Blue Bird Body Co., Fort Valley, Ga. (Passenger and school.)
Bolick Sons Co., Jerome, Conover, N. C.
Carpenter Body Works, Inc., Mitchell, Ind.
Checker Motors Corp 2016 N Pitcher St Kalamazoo Mich
Excel Body Corp Eaker Field Durant Okla (Passenger)
Franklin Body & Equipment Corp 1042 Dean St Brooklyn N Y
Hackney Bros. Body Co., Goldsboro St., Wilson, N. C.
National Body Mfg Co Main St Knightstown Ind (Airport)
Novelty Carriage Works Inc 815 Second Ave Spokane 4 Wash
Oneida Products Div Henney Motor Co Canastota N Y (School)
Pacific Car & Foundry Co 4th & Factory Sts Renton Wash (School)
Quitslund Bodies & Equipment P O Box 396 North Bend Wash
Shop of Siebert Associates Inc Waterville Ohio
Thomas Car Works, Inc., Perley A., High Point, N. C.
Thomas & Co., Peter, 1320 Main St., Seattle 22, Wash.
Ward Body Works Inc 805 Harkrider St Conway Ark (School and passenger)
Wayne Works Div Divco-Wayne Corp 1500 N F St Richmond Ind (School and transit)

BODIES, Commercial

Abco—See Allegheny Body Co
ACF Body Corp 4400 Clayton Ave St Louis 10 Mo
ALF Body Corp 4400 Clayton Ave St Louis 10 Mo
Airvan—See Dayton T Brown Inc
Allegheny Body Co 1633 N 6th St Philadelphia 22 Pa "Abco" (Refrigerated van rescue squad armored utility and line construction)
Aluminum Body Corp 1600 W Washington Blvd Montebello Calif
American Body & Equipment Co 1411 Charlotte St Kansas City 6 Mo "American-Lindsay"
American Body & Equipment Co P O Box 3107 Dallas 21 Tex (Insulated and refrigerated)
American Body & Trailer Inc., P. O. Box 1150, Oklahoma City 1, Okla.
American Fire Apparatus Co Golden Ave at Main St Battle Creek Mich (Fire fighting apparatus)
American Truck Body Co Martinsville Va "Pack-Haulers" (Brick and block)
Andrews Industries Inc 7901 Alabama Ave St Louis 66 Mo
Ansted Corp 1428 W Henry St Indianapolis 7 Ind
Aristocrat—See Truck Engrg Co
Arkansas Machine Specialty Co Hope Ark (Bottlers')
Astoria Body Corp Astoria Ill "Gordon Fleetline" (Utility service; Illinois and West)
Ashton Equipment Co 1701 W Lafayette Ave Detroit 16 Mich (Wreckers; sole distributors Collins & Associates 4902 Heuwerth Ave Cincinnati 38 Ohio)
Auto Body Works Pierce Ave & Eighth St Appleton Wis "Pierce" (Fire fighting equipment utility refrigerated bottlers etc)
Badger Body Mfg Co 2719 Cuming St Omaha Neb. (Combination grain and stock)
Baker Equipment Engrg Co Summit & Norfolk Sts Richmond 11 Va (Also public utility)
Baker Trailer & Body Co., 700 N. 20th St., St. Louis 3, Mo.
Baltimore Body Corp., 2253 Kirk Ave., Baltimore, Md
Barkow Co H 153 N Milwaukee St Milwaukee 2 Wis
Barry & Baily Co., 2419 N. 27th St., Philadelphia 32, Pa.
Bartlett Trailer Corp 3080 Archer Ave Chicago 8 Ill
Batavia Body Co 5 W Wilson St Batavia Ill (Refrigerated ice cream and milk)
Baughman Mfg Co Shipman Rd Jerseyville Ill (Bulk cement and feed)
Bean Div John Food Mchry & Chemical Corp 1305 S Cedar St Lansing 4 Mich (Fire fighting equipment)
Bedell Trailer Co 1506 S Flores St San Antonio 4 Tex (Aluminum and steel van insulated refrigerated)
Belgrade Wagon Works 3740 E Thompson St Philadelphia 37 Pa
Belmont Body Builders, 175 Belmont Ave., Newark 3, N. J.
Black & Sons Inc Adam 276 Tonnele Ave Jersey City 6 N J (Refrigerator)
Boardman Co 1401 S W 11th St Oklahoma City Okla (Special duty)
Body Builders Inc 1445 16th St Huntington 1 W Va (Steel and aluminum bakery creamery ice cream and van to order)
Bolick Sons Co Jerome Conover N C
Born & Sons Inc Herman N North Point Rd & Bayview Ave Baltimore 24 Md
Boyertown Auto Body Works Inc Third & Walnut Sts Boyertown Pa
Brown Inc Dayton T 1305 Strong Ave Copiagua L I N Y "Airvan" (Aluminum parcel delivery)
Brown Truck & Trailer Mfg Co PO Box 1281 Morris Field Charlotte 1 N C "Packa-Van" (Garbage collection)
Brunswick Body Wks U S Route 1 New Brunswick N J
Budd Co 2450 Hunting Park Ave Philadelphia 32 Pa
C & C Trailer & Body Co 300 San Leandro Blvd San Leandro Calif
Carovan—See Hughes-Keenan Div
Cato Trailer Service Co White Horse Rd Greenville S C
Cee Line—See Hughes-Keenan Corp
Chain Belt Co 4733 W Greenfield Ave Milwaukee 1 Wis "Rex Moto-Mixer" (Ready mixed concrete)
Checker Motors Corp 2016 N Pitcher St Kalamazoo Mich
Clark Co., B. M., Union, Maine.
Clayson-Lorenz Co 4058 W Chicago Ave Chicago 51 Ill (Custom built)
Cliffside Body Corp 230 Laird Ave Cliffside Park N J (Steel and aluminum)
Cobey Corp Galion Ohio "Perfection Liftainer" (Lifting and loading dumping units with steel containers for trash and dry garbage)
Colectomatic—See Heil Co
Commercial Body Co By-Pass 291-N Greenville S C
Cook Body Co 2433 Wilkinson Blvd Charlotte 8 N C (Van platform stake etc)
Copco Trailers Div of Copco Steel & Engrg Co 23500 Sherwood Rd Detroit 34 Mich
Couse Mfg Inc 300 Passaic St Newark 4 N J (Armored)
Crown Body & Coach Corp 2500 E 12th St Los Angeles 21 Calif
Crown Steel Products Co 1330 N Main St Orrville Ohio (Utility)
Cutler Metal Products Co., 1025 Line St., Camden, N. J.
Daybrook Hydraulic Div Young Spring & Wire Corp Bowling Green Ohio (Garbage and rubbish collection)
Dee Line—See Hughes-Keenan Div
De Hart & Son H A Crown Pt Rd Thorofare N J
DeKalb Commercial Body Co 229 W Garden St DeKalb Ill (Milk delivery van bakery laundry refrigerated etc; also lumber steel and parcel delivery).
Delphi Body Works 311 S Washington St Delphi Ind (Public utility)
Diehl & Sons Inc 129 Atlantic Ave Richmond Hill 18 N Y
Dorsey Trailers Inc Elba Ala
Dura-bilt Body Co Bldg No 8 National Dock East Boston 28 Mass
Duravan—See Hughes-Keenan Div
E-Z—See Hughes-Keenan Div
Eagle—See Utility Tool & Body Co
Eight Point Trailer Co 6100 E Washington Blvd Los Angeles 22 Calif (Special)
Elder Trailer & Body Inc 4830 Race St Denver 16 Colo
Esco—See Earl Sherman & Co
Evans Mfg Co John 3 Miles South of Hwy 15A Sumter S C
Feigelson Co Alex 500 S Fourth St Beaumont Tex (Stake and platform)
Finnesey Body Co 811 W Taney St Philadelphia 30 Pa
Fox Body Co 1109 Galena St Janesville Wis
Franklin Auto Body & Equipment Corp 1042 Dean St Brooklyn N Y
Fruehauf Trailer Co 10940 Harper Ave Detroit 32 Mich (Aluminum and steel)
G & G Mechanical Co 2701 Decatur St Fort Worth 6 Tex
Galion Allsteel Body Co 605 S Market St Galion Ohio (Platform)
Gar Wood Industries Inc Wayne Mich "Gar Wood Load Packer" "Gar Wood Speed Packer" "Gar Wood Pax-All" (Garbage and rubbish collection unit)
Gee Line—See Hughes-Keenan Div
General Body Mfg. Co., 713 W. Pennway, Kansas City, Mo. "General," "Hand-D-Van." (Plastic.)
Gentry Body & Trailer Co., N. Fourth St., Chickasha, Okla.
Gerstenslager Co Wooster Ohio (Bankmobile bookmobile display medical and rescue coach)
Giant Mfg Co 12th Ave & S Sixth St Council Bluffs Iowa (Farm and city stake)
Gichner Iron Works Inc Fred S 1214 24th St N W Washington 7 D C (Glass industry soft drink aluminum utility etc)
Gindy Mfg Co Boot Rd & Chestnut St Downingtown Pa
Gordon Fleetline—See Astoria Body Corp
Gordon Metal Products Co 115 S Michigan St Plymouth Ind "Gordon Fleetline" (Utility service)
Grant Body Mfg Corp 5900 E Admiral Pl Tulsa Okla (Beverage, bottlers, utility, oil field, platform and stake)
Great Dane Trailers Inc PO Box 1159 Savannah Ga (Aluminum)
Hackney Bros Body Co Goldsboro St Wilson N C (Refrigerator meat dairy van & utility)
Hackney & Sons J A 400 Hackney Ave Washington N C (Van and soft-drink bottlers)
Han-D-Van—See General Body Mfg Co
Harrisburg Truck Body Co Sheely Lane & PRR Mechanicsburg Pa
Heil Co 3000 W Montana St Milwaukee 1 Wis "Colectomatic" (Garbage-refuse)
Heil Co T E C Div 1285 W 70th St Cleveland 2 Ohio "TEC"
Hercules Mfg Co 1 Main St Henderson Ky (Insulated refrigerated platform stake grain cattle and combination)
Herculues Steel Products Co 500 Sherman St Galion Ohio (Platform)
Hesse Carriage Co 6700 St John St Kansas City 25 Mo (Tire service)
Hews Body Co 87 St John St Portland 4 Me
Highway Trailer Co 405 E Fulton St Edgerton Wis (Public utility)
Hobbs Trailers Div of Fruehauf Trailer Co 609 N Main St Fort Worth 1 Tex
Hoffman Auto Body Service Inc 1480 N Grant Ave Columbus 1 Ohio (Insulated refrigerated beverage and van)
Holby Body Co E 2010 Washington Ave N Minneapolis Minn
Holan Corp 4100 W 150th St Cleveland 35 Ohio (Public utility)
Hooper Body Corp 31st & Warwick Ave Newport News Va "Hooper-Bilt" (Stake van etc)
Hubbard Mfg Co Farmland Ind (Service car)
Hughes-Keenan Div U S Air Conditioning Corp P O Box 360 Delaware Ohio ("Vanette" Parcel delivery for Ford chassis; "EZ" milk bakery and general delivery for Ford chassis; "Dee Line" milk bakery and general utility for Dodge chassis; "Carovan" parcel delivery for Chevrolet and GMC chassis; "Cee Line" milk bakery and general utility for Chevrolet chassis; "Gee Line" milk bakery and general utility for GMC chassis; "Duravan" parcel delivery for Dodge chassis; sole distributors Universal Body Sales Inc Delaware Ohio)
Hyde Corp 2936 S Freeway Fort Worth Tex "Hyde"; (also "Hydepak" garbage refuse collection)
Hydro E-Z Pack Div of Hercules Galion Products Inc 605 S Market St Galion Ohio (Side loading pocket type garbage and refuse)
Industrial Steel Tank & Body Works Inc 2533 Fourth St Berkeley 10 Calif
Ingersoll Kalamazoo Div Borg-Warner Corp 1810 N Pitcher St Kalamazoo Mich "Load Lugger" (Detachable containers for loose bulk material and refuse)
Jannell & Son Body Co Cumberland Hill Rd Woonsocket R I (Steel and aluminum)
Jefferson Body Co 1711 3 Av S Birmingham 3 Ala
Johnson Welding & Mfg Co Rice Lake Wis (Refrigerated freight furniture and milk pick-up delivery)
Kargo-King—J B E Olson Corp
Kennedy Mfg Co 501 N Monroe St Streator Ill (Grain livestock steel platform and stake)
Kensington Wagon Works, 2756 Frankford Ave., Philadelphia 34, Pa.
Kentucky Mfg Co 2601 S Third St Louisville 8 Ky
Ketter Truck Bodies Third & Ellison Ave Ironton Ohio "Markette"
Kewanee Mfg Co 1642 Burlington Ave Kewanee Wis
Keystone Trailer & Equipment Co., 1501 Guinotte Ave., Kansas City 20, Mo.
Keystone Wagon Works Inc C St & Allegheny Ave Philadelphia 34 Pa (Also refrigerated)
Kiley Co James A 15 Linwood St Somerville Mass (Public utility)

Kingham Trailer Co 15th & Hill Sts Louisville 10 Ky
Klein Body Co 3280 W 25th St Cleveland 9 Ohio (Also public utility)
Knapheide Mfg Co 440 S 6th St Quincy Ill (Grain livestock and stake)
Koch & Son Mfg. Co., 200 Wilson Ave., N. E., St. Cloud, Minn.
Koenig Iron Works Inc P O Box 7726 Houston 10 Tex (Steel service)
Koerner Sons, Inc., John, 94 Walton St., Brooklyn 6, N. Y.
Kurb-Side—See J B E Olson Corp
Lacey & Sons Co W F 50 Mystic Ave Medford 55 Mass
Lagerquist Body Co Second & Keosauqua Sts Des Moines 9 Ia (Refrigerated insulated bakery dairy furniture beer etc)
Lang Co 267 W First South St Salt Lake City 10 Utah
Load Lugger—See Ingersoll Kalamazoo Div Borg-Warner Corp
Long Trailer Service Goldsmith & McKoy Sts Greenville S C (Van stake and furniture delivery)
M-B Corp 1615 Wisconsin Ave New Holstein Wis (Garbage and refuse)
McCabe-Powers Body Co 5900 N Broadway St Louis 15 Mo "Service Master" (Service truck); "Powers"; "Powers - American" (Public utility)
Manley Div Douglas Motors Inc 1234 N 62nd St Milwaukee 13 Wis (Wreckers)
Marion Body Works Maris Wis (Delivery bakery ice cream milk etc)
Markette—See Ketter Truck Bodies Inc
Mayer Body Corp Paulson & Auburn Sts Pittsburgh 6 Pa
Meeks Son, S. J., 622 G St., N. W., Washington 1, D. C.
Mercury Aircraft Inc Hammondsport N Y
Metalco Body Works 1246 S Los Angeles St Los Angeles 15 Calif (Custom built)
Meyer Body Co 218 Elm St Buffalo 3 N Y (Refrigerated)
Mickey Body Co W F 105 Perry St High Point N C (Sliding door beverage)
Midwest Body & Mfg Div Electrographic Corp S Central St Paris Ill (Stake farm and van)
Miller-Meteor Motor Car Div Divco-Wayne Corp Bellefontaine Ohio (Specialized)
Miller Trailers Inc 333 Sixth Ave W Bradenton Fla (Refrigerated insulated freight van and stake)
Millington Truck Body Co 8440 N State St Millington Mich (Insulated milk produce meat bakery and beer)
Minneapolis Freeman Mfg Co 5610 W 36th St Minneapolis 16 Minn (Livestock and grain)
Modern Auto Body Builders Co 200 Walworth St Brooklyn 5 N Y (Armored and refrigerated)
Moline Body Co 222 52 St Moline Ill
Montgomery Co., E. R., 2500 St. Louis St., New Orleans 19, La.
Montpelier Mfg Co Montpelier Ohio (Parcel delivery and frequent stop)
Morrison Steel Products Inc 601 Amherst St Buffalo 7 N Y (Utility and service)
Morse Body Mfg. Co., 69 Howard St., Watertown 72, Mass.
Morysville Body Works Inc 813 S Reading Ave Boyertown Pa (Steel utility; line construction gas bottle electrical meter and municipality)
Municipal Supply Co 2508 S Main St South Bend 23 Ind "South Bend" (Street flushers sprinklers etc)
Murphy Bros. Works, Inc., Herring Ave., Wilson N C (Also refrigerated and insulated)
NTE—See National Truck Equip Co
Nabors Co., W. C., Mansfield La.
National Truck Equipment Co 1611 Crystal Ave Kansas City 3 Mo "NTE" (Power line and contractors')
New Haven Carriage & Auto Works Inc 1105 S E Main St Portland 14 Ore
Niederhut Carriage Co 3560 Walnut St Denver 5 Colo
Nogues Body Co 1332 S Ogden Drive Los Angeles 19 Calif
Novelty Carriage Works Inc 815 Second Ave Spokane 4 Wash (Also line utility and service)
Obeco—See Omaha Body & Equipment Co
Ohio Body Mfg. Co., New London, Ohio
Olsen & Son R P 920 N 24th St Omaha Neb (Refrigerated and insulated)
Olson Corp J B E 1740 Broadway N Y 19 N Y "Kurb-Side" (Aluminum package delivery for Ford Chevrolet GMC and Dodge chassis; "Kargo King" aluminum van)
Olson & Son, Inc., Chas., 2945 Pillsbury Ave., Minneapolis, Minn.
Omaha Body & Equipment Co 3015 Taylor St Omaha 11 Nebr "Obeco" (Stake livestock grain and utility service)
Omaha Standard 2401 W Broadway Council Bluffs Iowa (Also livestock and grain)
Oneida Products Div Henney Motor Co Canastota N Y (Steel and aluminum)
Pack Haulers—See American Truck Body Co
Packa-Van—See Brown Truck & Trailer Mfg Co
Page & Page Co 0605 S W Curry St Portland 1 Ore (Garbage packer)
Pak-More Mfg Co Loop 13 & Roosevelt Ave San Antonio Tex (Refuse collection)
Parsons Engineering Corp 4590 Beidler Rd Willoughby Ohio (Public service)
Penn Body Div., Hockensmith Corp., 1946 Penn St., Penn, Pa.
Perfect Liftainer—See Cobey Corp
Perfection Steel Body Co S East St Galion Ohio
Pierce—See Auto Body Works
Pirsch & Sons Co., Peter, 1308 35th St., Kenosha, Wis. (Fire engine.)
Powers—See McCabe-Powers Body Co
Powers - American — See McCabe - Powers Body Co
Press' Sons Inc Jacob 501 W 33rd St Chicago 16 Ill
Providence Body Co 750 Wellington Ave Cranston R I (Also van)
Quitslund Bodies & Equipment P O Box 396 North Bend Wash
R B Co Guinotte & Euclid Sts Kansas City 20 Mo (Lumber roll-off)
Reading Body Works Inc 420 Gregg Ave Reading Pa (Utility and line construction)
Reliance Trailer & Truck Co., 2765 16th St., San Francisco 3, Cal.
Remke Inc 28100 Groesbeck Hwy Roseville Mich
Rex Moto-Mixer—See Chain Belt Co.
Roadway Mounting & Equipment Co 21177 Mound Rd (P O Box 164) Van Dyke Mich (Stake)
Rock Hill Body Co., W. Main St., Rock Hill, S. C.
Sabco—See Standard Auto Body Co
Santeler Bros 950 E Main St Columbus 5 Ohio (Refrigerated, van, stake, etc)
Scammell & Sons S 116 Quincy Ave Quincy 69 Mass
Schayer & Badinger Inc 2841 Tchoupitoulas St New Orleans 15 La (Bottlers' deck and closed panel)
Schmitt & Son, Inc., John V., 314 14th St., S. E., Washington 3, D. C.
Schnabel Co S 10th & Muriel Sts Pittsburgh 3 Pa (Refrigerated or Insulated)
Service Master—See McCabe-Powers Body Co
Sharpsville Steel Fabricators Inc Sharpsville Pa (Fire apparatus, rescue, emergency and squad truck)
Sherman & Co Earl 2526 Wood St Oakland 7 Cal "Esco" (Bakery refrigerated and fire truck)
Silver Body Works, Inc., 78 Ingraham St., Brooklyn 37, N. Y.
Soffe & Son Morris 170 W Berks St Philadelphia 22 Pa (Also refrigerated)
South Bend—See Municipal Supply Co
Stahl Metal Products Inc 4750 W 160th St Cleveland 35 Ohio (Public utility and line construction)
Standard Auto Body Co 4900 S Soto St Los Angeles 58 Calif "Sabco"
Steffen Body Co., O. F., 613 W. Seventh St., Sioux City 3, Iowa.
Stewart Steel Products Inc 1785 E New York Ave Brooklyn 7 N Y (Refrigerated transportation van custom built platform and stake)
Stoughton Body Div of M P M Corp 408 E South St Stoughton Wis (Van, stake and refrigerated)
Strick Trailers Div of Fruehauf Trailer Co 5604 N Broad St Philadelphia 11 Pa
Superior Auto Inc 24 Sprague St Dayton 7 Ohio (Also utility)
Superior Coach Corp., E. Kibby St. & D. T. & I. R. R., Lima, Ohio. (Service car.)
Superior Truck & Body Co 4175 Mission St San Francisco 12 Calif
Swab Wagon Co 21 S Callowhill St Elizabethville Pa (Refrigerated chick vans bottlers service car delivery etc)
TEC—See Heil Co TEC Div
Tel-E-Lect Products Inc 10001 Minnetonka Blvd Minneapolis 26 Minn (Service utility maintenance and line construction)
Theurer Wagon Works, Inc., 601 W. 56th St., New York 19, N. Y.
Thomas & Co., Peter, 1320 Main St., Seattle 22, Wash.
Thompson Trailer Co Old Court Rd Pikesville Md (Public utility package delivery van; "Thompson Leveloder" elevator type)
Timpte Bros., Inc., E. 40th Ave. & York St., Denver 5, Colo.
Towner Mfg Co Box 3096 Santa Ana Calif (Refuse)
Trailco Mfg & Sales Co Mill St Hummels Wharf Pa
Transport Products Co 3815 Clark St Cleveland 9 Ohio (Public utility)
Travelodge Corp 65 N Madison St Tulsa Okla (Wood and steel)
Triangle Body Works, 2012 Waughton Rd., Winston-Salem 6, N. C. (Stake and van.)
Truck Engrg Co 3200 E Pontiac St Fort Wayne 4 Ind "Aristocrat" (Utility)
Truck Parts & Equipment Inc 820 E Harry St Wichita Kans (Oil field)
Truck Welding & Equipment Co 739 Ninth Ave N Seattle 9 Wash (Steel flat deck)
Union City Body Co W Pearl St Union City Ind (Parcel delivery for GMC and Chevrolet chassis)
Unisteel Body Co 605 S Market St Galion Ohio ("Unisteel" steel van; "Unisteel Spacemaster" aluminum van)
Univeyor—See Wall Mfg Co
Utility Tool & Body Co 151 E 16th St Clintonville Wis "Eagle" (Public utility line construction platform etc)
Utility Trailer Mfg Co P O Box F-1, City of Industry Calif
Vanette—See Hughes-Keenan Div
Veenema & Wiegers Inc 241 N Tenth St Paterson 2 N J
Wabco—See Williamsen Body Equipment Co.
Wadco—See Wade & Dunton Inc
Wade & Dunton, Inc., 686 Main St., Lewiston, Maine. "Wadco." (Custom built.)
Wall Mfg Co 636 S Stratford Rd Winston Salem N C "Univeyor" (With automatic belt conveyor for coal)
Ward Motor Vehicle Co 718 S Fulton Ave Mt Vernon N Y (Aluminum)
Weber Trailer & Mfg Co 8400 E Slauson Ave Rivera Calif (Mailing address P O Box 2473 Los Angeles 54 Calif)
Weir Body Co 4505 Cuming St Omaha 3 Nebr (Aluminum steel cargo van stock grain public utility etc)
Welch Mfg Co 533 W Jefferson St Phoenix Ariz
Weld-Built Body Co 5903 Preston Court Brooklyn 34 N Y (Wreckers')
Wentworth & Irwin Inc 123 N E Oregon St Portland 14 Ore
Weston Dump Body Co 326 W 11th St Des Moines 9 Iowa
Williamsen Body & Equipment Co Ninth & Wall Sts Ogden Utah "Wabco"
Winter-Weiss Co 2001 Blake St Denver 5 Colo
Wright Co Thomas 185 Dey St Jersey City 6 N J
Yancey Bros., 110 Jackson St., N. E., Atlanta, Ga.
Yankee Motor Bodies Corp 122 E. Olympic St Los Angeles 2 Calif (Oil field and utility)
York-Hoover Corp Body Div Wheatfield St & M & P RR York Pa (Also public utility)

BODIES, Commercial (Prefabricated)

Aluminum Body Corp 1600 W Washington Blvd Montebello Calif
Andrews Industries Inc 7901 Alabama Ave St Louis 66 Mo
Black & Sons Inc Adam 276 Tonnele Ave Jersey City 6 N J
Brown—See Clark Equipment Co Brown Trailer Div
Brunswick Body Wks U S Route 1 New Brunswick N J
Clark Equipment Co Brown Trailer Div Michigan City Ind "Brown" (Aluminum)
De Hart & Son H A Crown Pt Rd Thorofare N J
Fruehauf Trailer Co., 10940 Harper Ave., Detroit 32, Mich.
Gichner Iron Works Inc Fred S 1214 24th St N W Washington 7 D C
Hews Body Co 87 St John St Portland 4 Me
Lindsay Structure Div International Steel Co 1321 Edgar St Evansville Ind (Truck and trailer)
Lyncoach & Truck Co 443 Chestnut St Oneonta N Y (Aluminum)
Mayer Body Corp Paulson & Auburn Sts Pittsburgh 6 Pa
Parish Pressed Steel Div of Dana Corp Robeson & Weiser Sts Reading Pa (Sections)
Servall Truck Body Mfg Co 4838 Cermak Rd Cicero Ill

BODIES, Dump

Aluminum Body Corp 1600 W Washington Blvd Montebello Calif
Anthony Co Streator Ill "Anthony Teleramic"
Aristocrat—See Truck Engineering Co.
Auto Truck Steel Body Co 3040 Carroll Ave Chicago 12 Ill
Baughman Mfg Co Shipman Rd Jerseyville Ill (Self-unloading)
Black & Sons Inc Adam 276 Tonnele Ave Jersey City 6 N J
Body Builders Inc 1445 16th St Huntington 1 W Va (To order)
Clark Co., B. M., Union, Maine.

BODIES, Dump—continued

Converto Mfg Co Third & Green Sts Cambridge City Ind
Cook Bros Equipment Co 3334 San Fernando Rd Los Angeles 65 Calif
Daybrook Hydraulic Div Young Spring & Wire Corp Bowling Green Ohio "Daybrook Speedlift"
Dempster Bros Inc Box 3127 Knoxville Tenn "Dempster Dumpster" (Detachable containers)
Easton Car & Construction Co Liberty & Holly Sts Easton Pa (Heavy duty)
Feigelson Co Alex 500 S 4th St Beaumont Tex
Fontaine Truck Equipment Co 1232 N 37th Pl Birmingham Ala
GW—See Gar Wood Industries, Inc.
Gallon Allsteel Body Co 605 S Market St Gallon Ohio
Gar Wood Industries Inc Wayne Mich "Gar Wood-St Paul" (Garbage and rubbish collection unit)
Gichner Iron Works Inc Fred S 1214 14th St N W Washington 7 D C
Heil Co 3000 W Montana St Milwaukee 1 Wis
Heil Co TEC Div 1285 W 70th St Cleveland 2 Ohio "TEC"
Hercules Steel Products Co 500 Sherman St Gallon Ohio
Independent Iron Works Inc Eighth & Pine Sts Oakland 20 Cal
Koenig Iron Works Inc P O Box 7726 Houston 10 Tex (Three-way)
Lang Co 267 W First South St Salt Lake City 10 Utah
Load Packer—See Gar Wood Industries, Inc.
Lodestar Corp 907 S Main St Niles Ohio
Marion Metal Products Co., Cheney Ave., Marion, Ohio.
Mayer Body Corp Paulson & Auburn Sts Pittsburgh 6 Pa
Montgomery Co., E. R., 2500 St. Louis St., New Orleans 19, La.
NTE—See National Truck Equipment Co
National Truck Equipment Co 1611 Crystal Ave Kansas City 3 Mo "NTE"
Penn Body Div., Hockensmith Corp., 1946 Penn St., Penn, Pa.
Perfection Steel Body Co S East St Gallon Ohio (Steel and aluminum)
Press' Sons Inc Jacob 501 W 33rd St Chicago 16 Ill
Providence Body Co 750 Wellington Ave Cranston R I
Roadway Mounting & Equipment Co 21177 Mound Rd Van Dyke Mich
Sabco—See Standard Auto Body Co
Sanivan—See Sicard Industries Inc
Schnabel Co S 10 & Muriel Sts Pittsburgh 3 Pa
Sicard Industries Inc 753 W Main St Watertown N Y "Sanivan" (Refuse collection)
Standard Auto Body Co 4900 S Soto St Los Angeles 58 Calif "Sabco" (Hydraulic)
Superior Auto, Inc., 24 Sprague St., Dayton 7, Ohio.
Superior Metal Products, Inc., Branson & 18th Sts., Marion, Ind.
TEC—See Heil Co TEC Div
Teco—See Truck Equipment Co.
Thomas & Co., Peter, 1320 Main St., Seattle 22, Wash.
Timpte Bros., Inc., E. 40th Ave. & York St., Denver 5, Colo.
Truck Engineering Co., 3200 E. Pontiac St., Fort Wayne 4, Ind. "Aristocrat"
Truck Equipment Co., 1791 Fillmore Ave., Buffalo 14, N. Y. "Teco."
Truck Welding & Equipment Co., 739 Ninth Ave., N., Seattle 9, Wash.
Welch Mfg Co 533 W Jefferson St Phoenix Ariz
Weston Dump Body Co 326 W 11th St Des Moines 9 Iowa
Williamsen Body & Equipment Co 9th & Wall Sts Ogden Utah (Aluminum)

BODIES, Passenger Car

Almquist Engrg Co Milford Pa (Plastic sport)
Budd Co 2450 Hunting Park Ave Philadelphia 32 Pa
Checker Motors Corp 2016 N Pitcher St Kalamazoo Mich
Lunn Laminates Inc Oakwood Rd & W 11th St Huntington Station N Y (Plastic)

BODIES, Station Wagon

Cantrell Co J T Pulaski Rd at 5th Ave Huntington Station L I N Y (For Ford Studebaker Chevrolet and G M C commercial chassis)
Esco—See Earl Sherman & Co
Ionia Mfg Co Div of Mitchell-Bentley Corp 121 S Dexter St Ionia Mich
Jannell & Son Body Co., Cumberland Hill Rd., Woonsocket, R. I.
Sherman & Co., Earl, 2526 Wood St., Oakland 7, Calif. "Esco."
Soffe & Son Morris 170 W Berks St Philadelphia 22 Pa
Stewart Steel Products Inc 1785 E New York Ave Brooklyn 7 N Y (Steel)

BODIES, TANK—See Tanks, Trailer and Truck Body

BODIES, Trailer

Aluminum Body Corp 1600 W Washington Blvd Montebello Calif
American Body & Equipment Co., P. O. Box 3107, Dallas 1, Tex.
Baltimore Body Corp., 2253 Kirk Ave., Baltimore, Md.
Belgrade Wagon Works 3740 E Thompson St Philadelphia 37 Pa
Belmont Body Builders, 175 Belmont Ave., Newark 3, N. J.
Black & Sons, Inc., Adam, 276 Tonnele Ave., Jersey City 6 N J
Boardman Co 1401 S W 11th St Oklahoma City Okla (Special duty)
Body Builders Inc 1445 16th St Huntington 1 W Va (To order)
Born & Sons Inc Herman N North Point Rd & Bayview Ave Baltimore 24 Md "Trailways" (Utility)
Brunswick Body Wks U S Route 1 New Brunswick N J
Budd Co 2450 Hunting Park Ave Philadelphia 32 Pa
De Hart & Son H A Crown Pt Rd Thorofare N J
Dorsey Trailers Inc Elba Ala
Evans Mfg Co John 3 Miles South on Hwy 15A Sumter S C
Feigelson Co., Alex., 500 S. Fourth St., Beaumont, Tex.
G & G Mechanical Co 2701 Decatur St Fort Worth 6 Tex.
Gallon Allsteel Body Co 605 S Market St Gallon Ohio (Dump)
Gar Wood Industries Inc Wayne Mich "Gar Wood-St Paul" (Dump)
Gentry Body & Trailer Co., N. Fourth St., Chickasha, Okla.
Harrisburg Truck Body Co Sheely Lane & PRR Mechanicsburg Pa
Hercules Steel Products Co 500 Sherman St Gallon Ohio
Holby Body Co., E., 2010 Washington Ave., N., Minneapolis, Minn.
Hooper Body Corp 31st & Warwick Ave Newport News Va "Hooper-Bilt"
Hyde Corp 2936 S Freeway Fort Worth Tex
Jannell & Son Body Co., Cumberland Hill Rd., Woonsocket, R. I.
Keystone Trailer & Equipment Co., 1501 Guionette Ave., Kansas City 20, Mo.
Kingham Trailer Co., 15th & Hill Sts., Louisville 10, Ky.
Koerner Sons, Inc., John, 94 Walton St., Brooklyn 6, N. Y.
Lacey & Sons Co W F 50 Mystic Ave Medford 55 Mass
Lodestar Corp 907 S Main St Niles Ohio (Dump)
Moline Body Co 222 52 St Moline Ill
New Haven Carriage & Auto Works Inc 1105 S E Main St Portland 14 Ore
Oneida Products Div Henney Motor Co Canastota N Y
Penn Body Div Hockensmith Corp 1946 Penn St Penn Pa (Dump)
Perfection Steel Body Co S East St Gallon Ohio (Dump)
Press' Sons Inc Jacob 501 W 33rd St Chicago 16 Ill
Quitslund Bodies & Equipment P O Box 396 North Bend Wash
Scammel & Sons S 116 Quincy Ave Quincy 69 Mass
Silver Body Works, Inc., 78 Ingraham St. Brooklyn 37, N. Y.
Soffe & Son Morris 170 W Berks St Philadelphia 22 Pa
Steffen Body Co., O. F., 613 W. Seventh St., Sioux City 2, Iowa.
Superior Truck & Body Co 4175 Mission St San Francisco 12 Calif
Thompson Trailer Corp 2 Old Court Rd Pikesville Md "Thompson Leveloder" (Elevator type)
Timpte Bros., Inc., E. 40th Ave. & York St., Denver 5, Colo.
Trailco Mfg & Sales Co Mill St Hummels Wharf Pa
Trailways—See Herman Born & Sons
Utility Trailer Mfg Co P O Box F-1 City of Industry Calif
Weber Trailer & Mfg Co 8400 E Slauson Ave Rivera Calif (Mailing address P O Box 2473 Los Angeles 54 Calif)
Williamson Body & Equipment Co Ninth & Wall Sts Ogden Utah
Wright Co Thomas 185 Dey St Jersey City 6 N J

BODY FILLING PLASTIC — See Fillers, Plastic and Metallic (For Body Panels, Fenders, Etc.)

BODY FILLING SOLDER—See Solder

BODY HOISTS—See Hoists, Truck Body

BODY IRONS — See Hardware, Automobile and Truck Body

BODY LINING—See Lining Body or Frame

BODY MOUNTINGS, RUBBER INSULATED —See Mountings, Rubber Insulated

BODY PARTS—See Parts Bus Body (Steel); Parts Stake Body (Steel); Parts Truck Body (Steel); Rails, Rub (Pressed Steel)

BODY SILENCING INSULATION — See Insulation, Heat & Sound (Liquid)

BOLT CLIPPERS — See Clippers, Bolt and Rivet

BOLT EXTRACTORS—See Extractors, Bolt and Screw

BOLT SETTERS — See Setters, Stud, Nut, Bolt and Lag Screw

BOLT THREADING MACHINES — See Machines, Thread Cutting

BOLT AND NUT SEALANTS—See Sealants, Bolt and Nut

BOLTS, Aircraft

Allmetal Screw Products Corp 821 Stewart Ave Garden City N Y
Chandler Products Corp 1491 Chardon Rd Cleveland 17 Ohio
Cleveland Cap Screw Co 4444 Lee Rd Cleveland 28 Ohio
Cooper Precision Products Div Standard Pressed Steel Co 2701 S Harbor Blvd Santa Ana Calif

BOLTS, Battery Hold Down

Columbus Bolt & Forging Co 291 Marconi Blvd Columbus 15 Ohio
Lamson & Sessions Co 5000 Tiedeman Rd Cleveland 9 Ohio
Loock & Co R J 343 N Gay St Baltimore Md
Murray Corp E Joppa Rd Towson 4 Md
Perfect Parts Inc 43 W 23rd St N Y 10 N Y
St Louis Screw & Bolt Co 6900 N Broadway St Louis 15 Mo
Sal Metal Products Co., 120 Freeman St., Brooklyn 22, N. Y. "Sam-Sons."
Sam-Sons—See Sal Metal Products Co.
Tru-Fit Screw Products Corp 13000 Athens Ave Cleveland 7 Ohio
Wells Mfg Corp 12 S Brooke St Fond du Lac Wis

BOLTS, Clip

Atlas Bolt & Screw Co 1130 Ivanhoe Rd Cleveland 10 Ohio
Clark Bros. Bolt Co., Canal St., Milldale, 1 Conn
Haskell Mfg. Co., Wm. H., 24 Commerce St. Pawtucket R I
Lamson & Sessions Co 5000 Tiedeman Rd Cleveland 9, Ohio

BOLTS, Connecting Rod

American-Monarch Corp 5900 Park Ave Cleveland 5 Ohio
Atlas Bolt & Screw Co 1130 Ivanhoe Rd Cleveland 10 Ohio
Brown Corp., 213 Bellevue Ave., Syracuse, N. Y.
Chandler Products Corp 1491 Chardon Rd Cleveland 17 Ohio
Chicago Screw Co Div of Standard Screw Co 2701 Washington Blvd Bellwood Ill "Stanscrew"
Cleveland Cap Screw Co 4444 Lee Rd Cleveland 28 Ohio
Columbus Bolt & Forging Co 291 Marconi Blvd Columbus 15 Ohio
Federal-Mogul Service Div of Federal-Mogul-Bower Bearings Inc 11031 Shoemaker Ave Detroit 13 Mich
Ferry Cap & Set Screw Co., 2151 Scranton Rd., Cleveland 13, Ohio.
Ferry Screw Products Inc E W 5240 Smith Rd Cleveland 30 Ohio
Jambor Tool & Stamping Co 3057 N 30th St Milwaukee 10 Wis
Lamson & Sessions Co 5000 Tiedeman Rd Cleveland 9 Ohio
Mac-It Parts Co Shippen & Liberty Sts Lancaster Pa

National Lock Co 1902 Seventh St Rockford Ill
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y.
Stanscrew—See Chicago Screw Co and Western Automatic Screw Co
Western Automatic Machine Screw Co 377 Woodland Ave Elyria Ohio "Stanscrew"

BOLTS, Coupling

Buffalo Bolt Co., North Tonawanda, N. Y.
Cleveland Cap Screw Co 4444 Lee Rd Cleveland 28 Ohio
Hartford Machine Screw Co P O Box 1440 Hartford 2 Conn "Stanscrew"
Hill Nut Co 2620 W Flournoy St Chicago 12 Ill
Stanscrew—See Hartford Machine Screw Co

BOLTS, Eye

Allmetal Screw Products Co 821 Stewart Ave Garden City N Y (Stainless steel)
American Steel Co (P O Box 230) Sixth & Spring Sts Ellwood City Pa
Armstrong Bros Tool Co 5200 W Armstrong Ave Chicago 46 Ill
Buckeye Forging Co 9217 Miles Ave Cleveland 5 Ohio
Clark Bros. Bolt Co., Canal St., Milldale 1 Conn
Cleveland—See H K Porter Co
Columbus Bolt & Forging Co 291 Marconi Blvd Columbus 15 Ohio
Mac—See Mechanic's Tool & Forge Co.
Mechanic's Tool & Forge Co., Howard St., Sabina 1, Ohio. "Mac."
Porter Co H K Forge & Fittings Div Cleveland Forge Works 3200 E 79th St Cleveland 4 Ohio "Cleveland"
Rockford Bolt & Steel Co 226 Mill St Rockford Ill
St. Louis Screw & Bolt Co., 6900 N. Broadway, St. Louis 15, Mo.
Vulcan—See J. H. Williams & Co.
Williams & Co., J. H., 400 Vulcan St., Buffalo 7, N. Y. "Vulcan."

BOLTS, KING—See Pins, King

BOLTS, Lock

Cleveland Cap Screw Co 444 Lee Rd Cleveland 28 Ohio
Townsend Co Engineered Fasteners Div PO Box 70 Ellwood City Pa

BOLTS, Machine and Carriage

Allmetal Screw Products Co 821 Stewart Ave Garden City N Y (Stainless steel)
Anti-Corrosive Metal Products Co Castleton-on-Hudson N Y
Atlas Bolt & Screw Co 1130 Ivanhoe Rd Cleveland 10 Ohio
Buckeye—See Lamson & Sessions Co
Buffalo Bolt Co Div of Buffalo-Eclipse Corp 101 East Ave North Tonawanda N Y "Circle B"
Chicago Screw Co Div of Standard Screw Co 2701 Washington Blvd Bellwood Ill "Stanscrew"
Circle B—See Buffalo Bolt Co
Cleveland Cap Screw Co 4444 Lee Rd Cleveland 28 Ohio
Federal Screw Works 3401 Martin St Detroit 10 Mich
Hartford Machine Screw Co P O Box 1440 Hartford 2 Conn "Stanscrew"
International Screw Co 9444 Roselawn Ave Detroit 4 Mich
Lamson & Sessions Co 5000 Tiedeman Rd Cleveland 9 Ohio "Buckeye" "Lamson"
National Screw & Mfg Co 2440 E 75th St Cleveland 4 Ohio
Republic Steel Corp 1441 Republic Bldg Cleveland 1 Ohio
Rockford Bolt & Steel Co 226 Mill St Rockford Ill
Rockford Screw Products Co 2501 Ninth St Rockford Ill (Carriage)
Russell Burdsall & Ward Bolt & Nut Co Port Chester N Y
Southern Screw Co 125 Barkley Rd Statesville N C (Carriage)
Stanscrew—See Chicago Screw Co Div Hartford Machine Screw Co and Western Automatic Machine Screw Co
Western Automatic Machine Screw Co 377 Woodland Ave Elyria Ohio "Stanscrew"

BOLTS, Spring Center

American-Monarch Corp 5900 Park Ave Cleveland 5 Ohio
Atlas Bolt & Screw Co 1130 Ivanhoe Rd Cleveland 10 Ohio
Brown Corp., 213 Bellevue Ave., Syracuse, N. Y.
Champ - Items, Inc., 6191 Maple Ave., St. Louis, Mo.
Clark Bros Bolt Co Canal St Milldale 1 Conn
Cleveland Cap Screw Co 4444 Lee Rd Cleveland 28 Ohio
Hendrix—See Service Spring Co
Lamson & Sessions Co 5000 Tiedeman Rd Cleveland 9 Ohio
Lightnin—See R. J. Loock & Co.
Loock & Co., R. J., 343 N. Gay St., Baltimore, Md. "Lightnin."
National—See Wheel Parts & Mfg Co
Pheoli Mfg. Co., 5700 W. Roosevelt Rd., Chicago, Ill.
Preferred Electric & Wire Co Bush Terminal Bldg No 8 Brooklyn 32 N Y
Republic Steel Corp 1441 Republic Bldg Cleveland 1 Ohio
Russell Burdsall & Ward Bolt & Nut Co Port Chester N Y
St. Louis Screw & Bolt Co., 69 N. Broadway, St. Louis 15, Mo.
Tuthill Spring Co., 760 W. Polk St., Chicago, Ill.
Wheel Parts & Mfg Co 352 Fourth Ave New York 10 N Y "National"

BOLTS, Spring Shackle

(Including plain bolts in addition to complete assemblies with oil or grease cups attached)

Alco—See Alloy Mfg Co
Alloy Mfg. Co., 3207 S. Shields Ave., Chicago 17, Ill. "Alco," "Alloy," "Quality Built."
Aluminum Industries Inc 3670 Werk Rd Cincinnati 11 Ohio "Permite"
American-Monarch Corp 5900 Park Ave Cleveland 5 Ohio
Brown Corp., 213 Bellevue Ave., Syracuse, N. Y.
Chicago Screw Co., 2701 Washington Blvd., Bellwood, Ill.
Clark Bros. Bolt Co., Canal St., Milldale, 1 Conn
Cleveland Cap Screw Co 4444 Lee Rd Cleveland 28 Ohio
Ferry Cap & Set Screw Co., 2151 Scranton Rd., Cleveland 13, Ohio.
McQuay-Norris Mfg. Co., 2320 Marconi St., St. Louis, Mo.
Metzger Welding Co 1652 Powers St Cincinnati Ohio
Moog Industries Inc 6565 Wells Ave St Louis 33 Mo
Perfect Parts Inc 43 W 22nd St N Y 10 N Y
Permite—See Aluminum Industries, Inc.
Quality Built—See Alloy Mfg. Co.
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester N Y
Simmons Mfg Co Ashland Ohio
Thompson Products Motor Equipment Mfg Div Thompson Ramo Wooldridge Inc 6402 Cedar Rd Cleveland 3 Ohio
Transit Parts Co 35700 Vine St Willoughby Ohio (For buses trucks and trailers)
Trayer Products Inc E Clinton St Elmira N Y

BOLTS, STEERING KNUCKLE—See Pins, King

BOLTS, STEP—See Bolts, Machine and Carriage

BOLTS, Stove

American Screw Co 1670 W Main St Willimantic Conn
Atlas Bolt & Screw Co 1130 Ivanhoe Rd Cleveland 10 Ohio
Buffalo Bolt Co Div of Buffalo-Eclipse Corp 101 East Ave North Tonawanda N Y
Central Screw Co 3501 S Shields Ave Chicago 9 Ill
Cleveland Cap Screw Co 4444 Lee Rd Cleveland 28 Ohio
Elco Tool & Screw Corp 1111 Samuelson Rd Rockford Ill
Lamson & Sessions Co 5000 Tiedeman Rd Cleveland 9 Ohio
Lok-Thred—See National Screw & Mfg Co
National Screw & Mfg Co 2440 E 75th St Cleveland 4 Ohio "Lok-Thred" "Tuff-Tite"
Reed & Prince Mfg Co 1 Duncan Ave Worcester 1 Mass
Republic Steel Corp 1441 Republic Bldg Cleveland 1 Ohio
Rockford Bolt & Steel Co 226 Mill St Rockford Ill
Rockford Screw Products Co 2501 Ninth St Rockford Ill
Russell, Burdsall & Ward Bolt & Nut Co Port Chester N Y
Southern Screw Co 125 Barkley Rd Statesville N C
Tuff-Tite—See National Screw & Mfg Co

BOLTS, Tractor

Cleveland Cap Screw Co 4444 Lee Rd Cleveland 28 Ohio
Lamson & Sessions Co 5000 Tiedeman Rd Cleveland 9 Ohio

BONDERIZING — See under Galvanizing, Sherardizing and Rust-Proofing

BONDING MACHINES, ADHESIVE—See Machines, Bonding (Adhesive)

BONDING OVENS—See Ovens, Brake Lining Bonding

BOOSTERS, Brake (Hydraulic)

Superweld Corp 6840 Vineland Ave North Hollywood Calif "No-Vak"

BOOSTERS, BRAKE (VACUUM) — See Brakes, Vacuum Power (Auto, Truck and Bus)

BOOSTERS, STEERING GEAR—See Gears, Steering (Power Units Only)

BOOSTERS, Air To Hydraulic

Miller Fluid Power Div of Flick-Reedy Corp York & Thorndale Rds Bensonville Ill

BOOTHS, Spraying (Enamel, Lacquer and Paint)

Binks Mfg Co 3120 Carroll Ave Chicago 12 Ill
Black Mfg Co 403 Penn St Baltimore 30 Md
Burdett Mfg Co 4920 S Monitor St Chicago 38 Ill
Cincinnati Cleaning & Finishing Machinery Co 317 Hecla St Ironton Ohio
De Vilbiss Co., 300 Phillips Ave., Toledo 1, O.
De Vilbiss Metal Fabricators Co 17900 Ryan Rd Detroit 12 Mich "Hydro-Whirl"
Hydro-Whirl—See De Vilbiss Metal Fabricators Co
M & E Mfg Co 2571 Winthrop Ave Indianapolis 5 Ind
Mahon Co R C 6565 E Eight Mile Rd Detroit 34 Mich
Metallizing Engrg Co 1101 Prospect Ave Westbury L I N Y "Metco"
Metco—See Metallizing Engrg Co
Paasche Airbrush Co., 1909 Diversey Parkway, Chicago 14, Ill.
Schmieg Industries Inc 29330 Sherwood St Detroit 34 Mich
Spraco—See Spray Engineering Co.
Spray Engineering Co 100 Cambridge St Burlington Mass "Spraco"
Young & Bertke Co 2212 Buck St Cincinnati 22 Ohio

BORERS, Jig

Cleereman Machine Tool Corp 601 Elizabeth St Green Bay Wis (Sole distributors Jackson-Fotsch Co 7350 W Lawrence Ave Chicago 31 Ill)
Fosdick Machine Tool Co Blue Rock & Apple Sts., Cincinnati 23, Ohio. "Fosdick," "Fosmatic."
Fosmatic—See Fosdick Machine Tool Co
Knight Machinery Co., W. B., 3920 W. Pine St., St. Louis 8, Mo.
Moore Special Tool Co., 740 Union Ave., Bridgeport, Conn.
Pratt & Whitney Co Charter Oak Blvd West Hartford 1 Conn

BORING BARS—See Bars, Boring (For Machines)

BORING HEADS—See Heads, Boring

BORING MACHINES—See Machines, Boring

BORING TOOLS—See Tools, Boring

BOWLS, Filter

Johnson Glass & Plastic Corp 5246 Elston Ave Chicago 30 Ill

BOX FASTENERS—See Fasteners, Box

BOXES and POTS, Annealing and Case Hardening

Biggs Steel Fdry & Fabricating Co 1007 Bank St Akron 5 Ohio
Driver-Harris Co 201 Middlesex St Harrison N J "Nichrome"
Eclipse Fuel Engineering Co 1111 Buchanan St Rockford Ill
General Alloys Co 387 W First St Boston 27 Mass "X-ite"
Michigan-Standard Alloy Casting Co 1999 Guoin St Detroit 7 Mich "Misco"

BOXES and POTS, Annealing and Case Hardening—continued

Misco—See Michigan-Standard Alloy Casting Co
Nichrome—See Driver-Harris Co.
Pressed Steel Co., 705 N. Pennsylvania Ave., Wilkes-Barre, Pa.
Rolock Inc 1250 Kings Highway Fairfield Conn
X-lte—See General Alloys Co.

BOXES, Battery (Rubber)

(For encasing cell jars)

Ace—See American Hard Rubber Co
American Hard Rubber Co Div Amerace Corp Ace Rd Butler N J "Ace"
Goodrich Industrial Products Co B F 500 S Main St Akron 18 Ohio
Im-Piast—See Richardson Co
Permaplast—See Richardson Co
Plastok—See Richardson Co
Richardson Co 2667 Lake St Melrose Park Ill "Im-Piast" "Permaplast" "Plastok" "Richelain"
Richelain—See Richardson Co
Stokes Molded Products Div of Electric Storage Battery Co Taylor & Webster Sts Trenton 4 N J (Rubber and plastic)

BOXES, Gear

(For transmission assemblies—see Transmissions, Auto)

Arrow Gear Div of Motor Products Corp P O Box 547 Broken Arrow Okla
Chelsea Prducts Inc 21 Buchanan St Chelsea Mich
Dana Corp 4100 Bennett Rd Toledo 1 Ohio
Dura Corp Paris Products Div Paris Ky (Tractor)
Warner Automotive Div Borg-Warner Corp S Wayne St Auburn Ind

BOXES, Junction (Auto)

Autoflex—See National Electric Products Corp.
National Electric Products Corp 2 Gateway Center Pittsburgh 22 Pa "Autoflex"

BOXES, Spare Parts

Gilbert Plastics Inc Boright Ave Kenilworth N J (Plastic)
Stolper Steel Products Corp 300 Pilgrim Rd Menomonee Falls Wis (Metal)

BOXES, Tiering (Fibre)

Continental-Diamond Fibre Corp Newark 2 Del "Diamond"
Cutler Metal Products Co., 1025 Line St., Camden, N. J.
Diamond — See Continental-Diamond Fibre Corp
Kennett—See National Vulcanizer Fibre Co
National Vulcanized Fibre Co Maryland Ave & Beech St Wilmington 99 Del "Kennett"

BOXES, Tiering (Sheet Metal)

Bay Products Div American Metal Works Inc 1835 W Cambria St Philadelphia 32 Pa
Bernard Franklin Co Hedley & Bath Sts Philadelphia 37 Pa
Cutler Metal Products Co 1025 Line St Camden N J
Factory Service Co., 4615 N. 21st St., Milwaukee 9, Wis "Turner System."
Lyon Metal Products, Inc., 2931 Montgomery St., Aurora, Ill.
Powell Pressed Steel Co Erie St Hubbard Ohio
Turner System—See Factory Service Co.

BOXES, Tool (Metal)

Bay Products Inc 3001 N 16th St Philadelphia 32 Pa
Bernard Franklin Co Hedley & Bath Sts Philadelphia 37 Pa
Challenger—See Penens Tool Corp
Chicago Tool & Kit Mfg Co 230 N Jefferson St Chicago 6 Ill
Cornwell Quality Tools Co Mogadore Ohio
Cutler Metal Products Co 1025 Line St Camden N J
Dunn Mfg Co 117 15th St Clarinda Iowa
Duplex Mfg Corp 1415 N 32nd St Fort Smith Ark
Durlach Can & Iron Works 325 Spring St N Y N Y
Duro Metal Products Co 2649 N Kildare Ave Chicago 39 Ill
Edwards Mfg Co 429 Culvert St Cincinnati Ohio
Hamilton-Skotch Corp 11 E 36th St N Y 16 N Y
Heller & Co W C 1907 Wabash Ave Montpelier Ohio
Huot Mfg Co 550 N Wheeler Ave St Paul Minn
Indestro Mfg Co 2649 N Kildare Ave Chicago Ill
Kennedy Mfg Co North Harrison St Van Wert Ohio
Lyon Metal Products Inc 2931 Montgomery St Aurora Ill
OTC—See Owatonna Tool Co
Owatonna Tool Co 342 N Cedar St Owatonna Minn "OTC"
P & C Tool Co Box 5926 Milwaukee Ore
Penens Tool Corp 3900 Wesley Terrace Schiller Park Ill "Challenger"
Proto Tools Co 2209 Santa Fe Ave Los Angeles 54 Calif
S-K—See Sherman-Klove Co.
Sherman-Klove Co., 2535 W. 47th St., Chicago 32, Ill. "S-K."
Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis.
Stevens Walden, Inc., 475 Shrewsbury St., Worcester, Mass.
Stolper Steel Products Corp 300 Pilgrim Rd Menomonee Falls Wis
Waterloo Valve Spring Compressor Co., 300 Ansborough Ave., Waterloo Iowa.
Western Metal Specialty Div Western Industries Inc 1213 N 62nd St Milwaukee 13 Wis

BOXES, Tote (Fibre)

Continental-Diamond Fibre Corp Newark 2 Del "Diamond"
Convoy, Inc., 3424 Navarre Rd., S. W., Canton, Ohio.
Diamond—See Continental-Diamond Fibre Corp
Kennett—See National Vulcanized Fibre Co
National Vulcanized Fibre Co Maryland Ave & Beech St Wilmington 99 Del "Kennett" & "National"
Spaulding Fibre Co., 310 Wheeler St., Tonawanda, N. Y. (Steel clad.)

BOXES, Tote (Metal)

(Shop boxes and barrels)

Bathey Mfg Co 100 S Mill St Plymouth Mich
Berger Div Republic Steel Corp 1038 Belden Ave N E Canton 5 Ohio
Bernard Franklin Co Hedley & Bath Sts Philadelphia 37 Pa
Carryers—See Mid-West Wire Products Co
Clark Co., Geo. P., 35 Canal St., Windsor Locks, Conn.
Cutler Metal Products Co., 1025 Line St., Camden, N. J.
Duplex Mfg Corp 1415 N 32nd St Fort Smith Ark
Durlach Can & Iron Works 325 Spring St N Y N Y
Equipto Div Aurora Equipment Co Prairie St at Cleveland Ave Aurora Ill
K & B—See Kirk & Blum Mfg. Co.
Kirk & Blum Mfg Co 3120 Forrer St Cincinnati 9 Ohio "K & B"
Lyon Metal Products, Inc., 2931 Montgomery St., Aurora, Ill.
Mid-West Wire Products Co 2555 Fenkell Ave Detroit 38 Mich "Carryers"
P & C Hand Forged Tool Co Box 5926 Milwaukie Ore
Palletainers—See Union Steel Products Co
Powell Pressed Steel Co Erie St Hubbard Ohio
Republic Steel Corp Pressed Steel Div 6100 Truscon Ave Cleveland 27 Ohio
Salem Tool Co 767 S Ellsworth Ave Salem Ohio
Schartow Iron Products Co., Sattley Bldg., Racine, Wis. "Sipco."
Sheet Metal Specialty Div of Follansbee Steel Corp State St Follansbee W Va
Sipco—See Schartow Iron Products Co.
Tote System Inc 700 S Seventh St Beatrice Nebr
Union Metal Mfg Co 1432 Maple Ave N E Canton 5 Ohio
Union Steel Products Co Albion Mich "Palletainers"
Youngstown Kitchens Div of American-Standard 605 S Ellsworth St Salem Ohio

BOXES, Tote (Plastic)

Lewis Co G B 426 Montgomery St Watertown Wis "Stack-N-Nest"

BOXES, Tote (Wood)

Backus, Jr., & Sons, A., Military at Connors St., Port Huron, Mich. (Wood & wire.)
Lewis Co G B 426 Montgomery St Watertown Wis (Wood & wire)

BRACKETS, Fender (Truck)

Cutler Metal Products Co., 1025 Line St., Camden, N. J.
Hamlin Metal Products Co 2741 Wingate Ave Akron 19 Ohio
K & B—See Kirk & Blum Mfg. Co.
Kirk & Blum Mfg Co 3120 Forrer St Cincinnati 9 Ohio "K & B"
Queen City Forging Co., Tennyson & Dumont Sts., Cincinnati 26, Ohio.
Servwell Products Co., 6519 Euclid Ave., Cleveland 3, Ohio. "Servwell Pyramid."
Transue & Williams Steel Forging Corp 562 Ely St Alliance Ohio
Vanco Products Inc 15330 Brookpark Rd Cleveland 11 Ohio

BRACKETS, Mirror

Anthes Force Oiler Co 20th St & Ave M Ft Madison Iowa
Defrosto—See Ted Prutsman Defrosto Mirrors Inc
Delbar Products Inc 7th & Spruce Sts Perkasie Pa
Hamlin Metal Products Co 2741 Wingate Ave Akron 19 Ohio
King Bee Mfg Co 2600 Washington Blvd Bellwood Ill
Miro-Flex Co 1824 E 2nd St Wichita 7 Kans
Monarch Tool & Machinery Co., 3435 S. Racine Ave., Chicago 8, Ill.
Norlipp Co 5926 S Lowe Ave Chicago 21 Ill
Prutsman Defrosto Mirrors Inc Ted 11298 S Alameda St Lynwood Calif "Defrosto"
Standard Mirror Co., 141 Milton St., Buffalo 10, N. Y.

BRAKE BONDING COMPOUNDS—See Compounds, Brake Bonding

BRAKE BOOSTERS, Hydraulic—See Boosters, Brake (Hydraulic)

BRAKE BOOSTERS, Vacuum—See Brakes, Vacuum Power

BRAKE CYLINDER CLAMPS (Hydraulic)—See Clamps, Brake Cylinder (Hydraulic)

BRAKE LINING OVENS—See Ovens, Molded Products

BRAKE PARTS and ATTACHMENTS

See following heads:

Brakes, Vacuum Power
Cable, Brake Control
Controls, Brake (Hand)
Controls, Brake (Trailer)
Drums, Brake
Fluid, Hydraulic Brake and Shock Absorber
Lining, Brake
Locks, Brake (Hill Holding)
Parts, Brake
Shoes, Brake
Signals, Low Air Pressure, Brake (Auto)

BRAKES, Air

Ausco—See Auto Specialties Mfg Co
Auto Specialties Mfg Co 643 Graves St St Joseph Mich "Ausco" (Disc)
Bendix-Westinghouse Automotive Air Brake Co 901 Cleveland Rd Elyria Ohio (Also accessory units for trucks and buses)
Eaton Mfg Co Axle Div 739 E 140th St Cleveland 10 Ohio (Truck)
Midland-Ross Corp Owosso Div 490 S Chestnut St Owosso Mich
Rockwell-Standard Corp Brake Div P O Box 358 Ashtabula Ohio (For trucks and buses)
Shuler Axle Co 2901 S Serona St Louisville 8 Ky (Truck)
Wagner Electric Corp., 6400 Plymouth Ave., St. Louis 33 Mo

BRAKES, Air-Hydraulic

Bendix Products Div Bendix Aviation Corp South Bend 20 Ind "Bendix-Air-Pak"
Fawick Brake Div Fawick Corp 9921 Clinton Rd Cleveland 11 Ohio "Fawick-Girling"
Wagner Electric Corp 6400 Plymouth Ave St Louis 33 Mo

BRAKES, Compression Exhaust

Power Brake Equipment Co 1632 S E 11th Ave Portland 14 Ore "Williams"

BRAKES, Eddy Current (Auto)

(For engines, cooling fans, generators, etc.)

Eaton Mfg Co Dynamatic Div 3122 14th Ave Kenosha Wis "Dynamatic"

BRAKES, Electric (Auto and Truck)

Warner Electric Brake & Clutch Co Beloit Wis (Truck)

BRAKES, ELECTRIC (TRAILER)—See Brakes, Trailer

BRAKES, Emergency (Automatic)

Brimco—See Owen M Collott
Collott Owen M 1823 S Industrial Rd Salt Lake City 4 Utah "Brimco" (For trucks)
MGM Brakes Inc Redwood Highway Cloverdale Calif
Maxi Corp P O Box 3129 Terminal Annex Los Angeles 54 Calif "Maxibrake"

BRAKES, Hydraulic

Ausco—See Auto Specialties Mfg Co
Auto Specialties Mfg Co 643 Graves St St Joseph Mich "Ausco" (Disc)
Bendix Products Div., Bendix Products Corp., South Bend 20, Ind.
Goodrich Industrial Products Co B F 500 S Main St Akron 18 Ohio
Hi-Tork—See Wagner Electric Corp
Hydro-Aire Div of Crane Co 3000 Winona Ave Burbank Calif "Hytrol"
Hytrol—See Hydro-Aire Div of Crane Co
Kelsey-Hayes Co 3600 Military Ave Detroit 32 Mich
Martin Co., Glenn L., Baltimore 3. Md.
Minnesota Automotive Inc 1101 N Front St Mankato Minn
Rockwell-Standard Corp Brake Div P O Box 358 Ashtabula Ohio (For trucks and buses)
Wagner Electric Corp., 6400 Plymouth Ave., St Louis 33 Mo ("Wagner Lockheed" [Licensees]; "Hi-Tork" For commercial vehicles.)

BRAKES, Industrial

Wagner Electric Corp 6460 Plymouth Ave St Louis 33 Mo

BRAKES, Machine

Eaton Mfg Co Dynamatic Div 3122 14th Ave Kenosha Wis "Dyna-Torq" (Magnetic friction)
Rockwell-Standard Corp Brake Div P O Box 358 Ashtabula Ohio

BRAKES, Mechanical

American Chain & Cable Co Automotive & Aircraft Div 601 Stephenson Bldg Detroit 2 Mich "Tru-Stop" (Disc)
Ausco—See Auto Specialties Mfg Co
Auto Specialties Mfg Co 643 Graves St St Joseph Mich "Ausco" (Disc)
Bendix Products Div., Bendix Aviation Corp., South Bend 20, Ind.
Fawick Brake Div Fawick Corp 9921 Clinton Rd Cleveland 11 Ohio
Kelsey-Hayes Co 3600 Military Ave Detroit 32 Mich
Rockwell-Standard Corp Brake Div P O Box 358 Ashtabula Ohio
Shuler Axle Co 2901 S Second St Louisville 8 Ky
Tru-Stop—See American Chain & Cable Co., Automotive & Aircraft Div.
Warner Gear Div., Borg-Warner Corp., 1106 E. Seymour St., Muncie, Ind.

BRAKES, Press

Bath Co Cyril 32400 Aurora Rd Solon Ohio
Cincinnati Shaper Co P O Box 111 Cincinnati 11 Ohio
Niagara Machine & Tool Works 683 Northland Ave Buffalo 11 N Y

BRAKES, Trailer

Bendix Products Div., Bendix Aviation Corp South Bend 20 Ind "Bendix B-K" (Vacuum power)
Bendix-Westinghouse Automotive Air Brake Co 901 Cleveland Rd Elyria Ohio
Fawick Brake Div Fawick Corp 9921 Clinton Rd Cleveland 11 Ohio "Fawick-Girling" (Air-hydraulic and vacuum)
Hammer Blow Tool Co., 602½ Third St., Wausau, Wis.
Kaloy—See Kay-Brunner Steel Products Inc
Kay-Brunner Steel Products Inc 999 Meridian Ave Alhambra Cal "Kaloy" (Mechanical)
Kelsey-Hayes Co 3600 Military Ave Detroit 32 Mich (Electric and vacuum power for house and utility trailers)
Loadcraft—See Spencer-Safford Loadcraft Inc
Midland-Ross Corp Owosso Div 490 S Chestnut St Owosso Mich (Air and vacuum)
Rockwell-Standard Corp Brake Div P O Box 358 Ashtabula Ohio
Shuler Axle Co 2901 S Second St Louisville 8 Ky (Mechanical vacuum or air)
Spencer-Safford Loadcraft Inc Augusta Kans "Loadcraft"
Standard Forge & Axle Co., Hunter Station, Montgomery 2, Ala. (Vacuum or compressed air.)
Titanic—See United Mfg Co
United Mfg Co 6250 Dobeckmun Ave Cleveland 2 Ohio "Titanic" (Hydraulic)
Wagner Electric Corp 6400 Plymouth Ave St Louis 33 Mo (Compressed air)
Warner Electric Brake & Clutch Co Beloit Wis (Electric)

BRAKES, Vacuum Power (Auto and Truck)

Airtex Automotive Div Airtex Products Inc 407 N Main St Fairfield Ill "Power-Brake"
Bendix Products Div Bendix Aviation Corp South Bend 20 Ind "Bendix" "Bendix B-K" "Hydrovac"
Fawick Brake Div Fawick Corp 9921 Clinton Rd Cleveland 11 Ohio "Fawick-Girling"
Hydrovac—See Bendix Products Div., Bendix Aviation Corp.
Kelsey-Hayes Co 3600 Military Ave Detroit 32 Mich (Auto truck and bus)
Midland-Ross Corp Owosso Div 490 S Chestnut St Owosso Mich
Power-Brake—See Airtex Automotive Div
Velvac Inc 3534 W Pierce St Milwaukee 15 Wis (Truck)

BRASS and COPPER, Sheet, Rod and Ingot

(For tubing—see Tubing, Brass and Copper)

Alloy—See H K Porter Co
American Brass Co 414 Meadow St Waterbury 20 Conn **("Anaconda" "Tobin Bronze"** rod bronze; "Anaconda" sheet and rod phosphor bronze; "Electro-Sheet" copper foil; "Formbrite" brass sheet and strip and wire; "Durafley" phosphor bronze strip and wire)
American Nickeloid Co Peru 34 Ill (Nickel and chrome plated or polished not plated brass in sheets and coils also nickel and chrome plated copper
Anaconda—See American Brass Co.
Apollo Metal Works, Inc., Clearing Station, Chicago 38, Ill. (Nickel and chromium plated sheets and coils.)
Belmont Smelting & Refining Works 326a Belmont Ave Brooklyn N Y (Ingot)
Beryleo—See Beryllium Corp
Beryllium Corp P O Box 1462 Reading Pa "Beryleo" (Beryllium copper strip rod bar wire and ingot)
Bohn Aluminum & Brass Corp., 1400 Lafayette Bldg., Detroit 26, Mich. (Brass.)
Bridgeport Brass Co 30 Grand St Bridgeport 2 Conn (Brass rods and copper sheets)
Chase Brass & Copper Co., 236 Grand St., Waterbury 20, Conn. (Sheet and rod.)
Chicago Extruded Metals Co., 1642 S. 54th Ave., Cicero 50, Ill. (Brass rod.)
Durafley—See American Brass Co
Electric Materials Co., Clay & Washington Sts., North East, Pa. (Copper.)
Electro-Sheet—See American Brass Co
Federated Metals Div. of American Smelting & Refining Co., 120 Broadway, New York 5, N. Y. (Rod and ingot.)
Hamden Steel & Aluminum Co., State & Edmund Sts New Haven Conn
Lewin-Mathes Co 12th & Chouteau Ave St Louis 2 Mo (Tube and rod)
Mueller Brass Co., 1925 Lapeer Ave., Port Huron, Mich. (Rod.)
North American Smelting Co., Marine Terminal, Wilmington, Del. (Ingot.)
Olin Mathieson Chemical Corp Western Metals Div 400 Park Ave New York 22 N Y "Western" (Brass strips and sheets)
Plume & Atwood Mfg Co Main St Thomaston Conn (Brass strip or coil)
Porter Co H K Riverside-Alloy Metal Div Pavilion Ave Riverside N J "Riverside" (Phosphor bronze and beryllium copper in sheet, rod, strip and wire; "Alloy" nickel clad copper in wire rod and strip)
Revere Copper and Brass Inc., 230 Park Ave., New York 17, N. Y. (Sheet and rod.)
River Smelting & Refining Co., 4195 Bradley Rd., Cleveland 1, Ohio. "River RS." (Ingot.)
Riverside—See H K Porter Co
Scovill Mfg. Co., 99 Mill St., Waterbury 20, Conn. (Sheet and rod.)
Seymour Mfg Co 15 Franklin St Seymour Conn (Brass sheet, strip and wire)
Tobin Bronze—See American Brass Co
Western—See Olin Mathieson Chemical Corp

BRAZING FURNACES—See Furnaces, Brazing

BRAZING FLUX—See Flux, Brazing, Welding and Soldering

BREAKER ARMS—See Arms, Breaker

BREAKER POINTS—See Points, Contact (Ignition)

BREAKERS, Circuit

Allis-Chalmers Mfg Co Milwaukee 1 Wis
Auto-Lite—See Electric Auto-Lite Co
Bulldog Electric Products Co 7610 Jos Campau Ave Detroit 32 Mich "Pushmatic"
Carter Parts Co 3401 W Madison St Skokie Ill "Imp"
Cole-Hersee Co 20 Old Colony Ave Boston 27 Mass
E-T-A Products Co of America 6284 N Cicero Ave Chicago 46 Ill
Electric Auto-Lite Co Toledo 1 Ohio "Auto-Lite"
F & B Mfg Co 4248 W Chicago Ave Chicago 51 Ill
Fasco Industries, Inc., 400 Davis St., Rochester 2, N. Y.
G-E—See General Electric Co
General Electric Co Apparatus Sales Div 1 River Rd Schenectady 5 N Y "G-E"
Heinemann Electric Co Pa Ave & Plum St Trenton 2 N J "Magnette"
Imp—See Carter Parts Co
Klixon—See Spencer Div Metals & Controls Corp
Leece-Neville Co 1374 E 51st St Cleveland 3 Ohio
Littelfuse Inc 4757 Ravenswood Ave Des Plaines Ill
Magnette—See Heinemann Electric Co
Mallory Electric Corp 12416 Cloverdale Ave Detroit 4 Mich
Pollak Corp Joseph 75 Freeport St Boston 22 Mass
Preferred Electric Wire Co Bush Terminal Bldg No 3 Brooklyn 32 N Y
Pushmatic—See Bulldog Electric Products Co.
R-B-M Div., Essex Wire Corp., Chestnut & Hanna Sts., Logansport, Ind.
Remco—See Reynolds Mfg. Co.
Reynolds Mfg Co 1419 Alamo National Bldg San Antonio 5 Tex "Remco" (Automobile)
Short Stop—See Underwriters Safety Device Co
Spencer Div Metals & Controls Corp 34 Forest St Attleboro Mass "Klixon"
Square D Co 6060 Rivard St Detroit 11 Mich Mich.
Tung-Sol Electric Inc 95 Eighth Ave Newark 4 N J
Underwriters Safety Device Co 4642 N Lamon St Chicago 30 Ill "Short Stop"
Wells Mfg Corp 12 S Brooke St Fond du Lac Wis
Westinghouse Electric Corp Standard Control Div Beaver Pa
Westinghouse Electric Corp Switchgear Div East Pittsburgh Pa

BREATHER CAPS—See Caps, Crankcase Breather

BROACHES

American—See Sundstrand American Broach Div
Apex Broach Co., 6401 E. Seven Mile Rd., Detroit 34, Mich.
Colonial Broach & Machine Co P O Box 37 Harper Sta Detroit 13 Mich
Connecticut Broach & Machine Co., 21 Pequot Ave., New London, Conn. "Connecticut," "Durakeen."
Continental—See Ex-Cell-O Corp., Continental Tool Works Div.
Detroit Broach & Machine Co 950 S Rochester Rd Rochester Mich
Dixon Inc William 32 E Kinney St Newark 1 N J
Durakeen—See Connecticut Broach & Machine Co.
Ex-Cello Corp Continental Tool Works Div 1200 Oakman Blvd Detroit 32 Mich "Continental"
Illinite—See Illinois Tool Works
Illinois Tool Wks 2501 N Keeler Ave Chicago Ill "Illinite"
Lapointe Machine Tool Co., 34 Tower St., Hudson, Mass. "Lapointe Hudson."
Little Champ—See Threadwell Tap & Die Co
National Broach & Machine Co., 5600 St. Jean Ave., Detroit 13, Mich. "Red Wing"
National Tool Co 11200 Madison Ave Cleveland 2 Ohio "National-Cleveland"
Pioneer Broach Co 6434 E Telegraph Rd Los Angeles 22 Calif
Red Wing—See National Broach & Machine Co.
Shearcut Tool Co 7045 Darby Ave Reseda Calif "Shearcutter"
Sundstrand American Broach Div of Sundstrand Corp 415 W Huron St Ann Arbor Mich "American"
Sundstrand Machine Tool Div of Sundstrand Corp Belvidere Ill
Threadwell Tap & Die Co., Greenfield, Mass. "Little Champ"
Willey's Carbide Tool Co., 1340 W. Vernor Highway, Detroit 1, Mich.

BROACH GRINDING MACHINES—See Machines, Grinding (Broach)

BROACHING MACHINES—See Machines, Broaching

BROACHING TOOLS—See Broaches

BRONZE, Aluminum

American Brass Co 414 Meadow St Waterbury 20 Conn "Avialite" "Tempaloy"
Ampco Metal Inc 1737 S 38th St Milwaukee 46 Wis
Avialite—See American Brass Co.
Belmont Smelting & Refining Works, 326a Belmont Ave., Brooklyn, N. Y. (Ingot.)
Bridgeport Brass Co 30 Grand St Bridgeport 2 Conn
Federated Metals Div American Smelting & Refining Co 120 Broadway New York 5 N Y
Tempaloy—See American Brass Co.
Wheeling Bronze Casting Co 36th & Mccolloch Sts Wheeling W Va "Wheelaloy" (Bar)

BRONZE, BEARING—See Metals, Bearing

BRUSHES, AIR—See Sprayers, Paint, Varnish and Lacquer

BRUSHES, BUFFING (WIRE)—See Brushes, Rotary Wire

BRUSHES, File Cleaning

Advance—See Manufacturers Brush Co.
Cincinnati Tool Co 1967 Waverly Ave Cincinnati 12 Ohio "Hargrave"
Hargrave—See Cincinnati Tool Co.
Heller Tool Co Heller Dr Newcomerstown Ohio
Manufacturers Brush Co 12501 Elmwood Ave Cleveland Ohio "Advance"
Nicholson File Co Providence 1 R I
Osborn Mfg. Co., 5401 Hamilton Ave., N. E., Cleveland 14, Ohio
Simonds Saw & Steel Co 470 Main St Fitchburg Mass

BRUSHES, Generator, Horn and Starter

(Carbon, metal and woven wire)

American Motor Products Co., Fond du Lac Wis. "Ampco."
Ampco—See American Motor Products Co
B.B.B.—See Becker Brothers' Carbon Co.
Becker Brothers' Carbon Co., 3450 S. 52nd Ave., Cicero 50, Ill. "B.B.B." (Generator and starter.)
Blue Streak—See Standard Motor Products, Inc.
Carbone Co., Myrtle Ave., Boonton, N. J.
Echlin Mfg Co U S Route 1 Branford Conn (Generator and starter)
F. & B. Mfg. Co., 4248 W. Chicago Ave., Chicago 51, Ill. "Filko." (Generator and starter.)
Filko—See F. & B. Mfg. Co.
GP—See Guaranteed Parts Co.
Guaranteed Parts Co Seneca Falls N Y "GP" (Generator and starter)
Holley Carburetor Co 1955 E Nine Mile Rd Warren Mich
International Products & Mfg Co 850 N Ogden Ave Chicago 22 Ill (Generator and starter)
Kem Mfg. Co., 20-21 Wagaraw Rd., Fair Lawn, N. J.
Keystone Carbon Co 1935 State St St Marys Pa
Machined Parts Corp 6209 Hamilton Ave Detroit 2 Mich "Mapco" (Generator and starter)
Mapco—See Machined Parts Corp.
Morganite Inc 3302 48th Ave Long Island City 1 N Y (Generator and starter)
National—See Wheel Parts & Mfg Co
National Ignition Mfg Co 521 W 23rd St New York 11 N Y "Nimco"
Niehoff & Co., C. E., 4925 W. Lawrence Ave., Chicago 30 Ill (Generator and starter)
Nimco—See National Ignition Mfg. Co.
Ohio Carbon Co 12508 Berea Rd Cleveland 11 Ohio
Paragon Products Corp 140 Astor St Newark 5 N J "Vulcan" (Generator and starter sole distributors Vulcan Motor Products Inc 1060 Broad St Newark 2 N J)
Preferred Electric & Wire Co., Bush Terminal Bldg., No. 8, Brooklyn 32, N. Y.
Pure Carbon Co., 441 Hall Ave., St. Marys, Pa.
Shurhit Products Inc 845 S Market St Waukegan Ill (Starter and generator)
Sorenson Mfg Co P 32-31 57th St Woodside 77 N Y (Generator and starter)
Speer Carbon Co., St. Marys, Pa.
Stackpole Carbon Co Stackpole St St Mary's Pa
Standard Motor Products Inc 37-18 Northern Blvd Long Island City L I N Y "Blue Streak" "Standard" (Generator and starter)
Tasco Products Div of Guaranteed Parts Co Seneca Falls N Y (Generator and starter)
Valley Forge Products Inc 370 19th St Brooklyn 15 N Y
Vulcan—See Paragon Products Corp.
Wells Mfg Corp 12 S. Brooke St Fond du Lac Wis (Generator and starter)
Wheel Parts & Mfg Co 352 Fourth Ave N Y 10 N Y "National"

BRUSHES, Motor and Generator (Industrial)

Equaload—See Keystone Carbon Co.
Graphalloy—See Graphite Metallizing Corp.
Graphite Metallizing Corp 1083 Nepperhan Ave Yonkers 3 N Y "Graphalloy"
Keystone Carbon Co., 1935 State St., St. Marys, Pa. "Equaload."
Morganite Inc 3302 48th Ave Long Island City 1 N Y
Pure Carbon Co., 441 Hall Ave., St. Marys, Pa
Stackpole Carbon Co Stackpole St St Marys Pa
United States Graphite Co., 1621 Holland Ave., Saginaw, Mich.

BRUSHES, Rotary Wire

Advance—See Manufacturers Brush Co.
Albertson & Co., 3100 Lowell Ave., Sioux City, Iowa. "Sioux."
Anderson Corp 1029 Southbridge St Worcester 10 Mass
Black & Decker Mfg. Co., 629 Pennsylvania Ave., Towson 4, Md.
Blackhawk—See New Britain Machine Co
Dixon Inc William 32 E Kinney St Newark 1 N J
Herbrand Div., Bingham-Herbrand Corp., Lake & Stone Sts., Fremont, Ohio. "Herbrand," "Van Chrome."
Herold Mfg. Co., 3927 Clark Ave., Cleveland 9, Ohio.
Manufacturers Brush Co 12501 Elmwood Ave Cleveland Ohio "Sansom" "Advance" "Radko"
Millers Falls Co 57 Wells St Greenfield Mass
Milwaukee Brush Mfg Co 2236 N 30th St Milwaukee 45 Wis
Morris Co C W 10628 Cloverdale Ave Detroit 4 Mich
National Machine & Tool Co., 4077 Page Ave., Jackson, Mich.
New Britain Machine Co Hand Tools Div South St New Britain Conn "Blackhawk" & "New Britain"
Ohio Brush Co., 2630 Lisbon Rd., Cleveland 14 Ohio "Ohio Quality"
Osborn Mfg. Co., 5401 Hamilton Ave., N. E., Cleveland 14, Ohio.
Perfect Balance—See Pittsburgh Plate Glass Co. (Brush Div.)
Pittsburgh Plate Glass Co. (Brush Div.), 3221 Frederick Ave., Baltimore 29, Md. "Perfect Balance."
Radko—See Manufacturers Brush Co.
Rimac—See Rinck-McIlwaine, Inc.
Rinck-McIlwaine, Inc., 16 Hudson St., New York 13 N Y "Rimac"
Samson—See Manufacturers Brush Co.
Sioux—See Albertson & Co.
Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis.
Swiss Laboratory 1533 Hamilton Ave Cleveland 14 Ohio
Van Chrome—See Herbrand Div., Bingham-Herbrand Corp.
Worcester Brush & Scraper Co 38 Austin St Worcester Mass
Wyco—See Wyzenbeek & Staff, Inc.
Wyzenbeek & Staff Inc 223 N California Ave Chicago 12 Ill "Wyco"

BRUSHING MACHINES—See Machines, Brushing

BUFFERS, Portable Electric

Baldor Electric Co 4351 Duncan Ave St Louis 10 Mo
Big Four Industries Inc Maineville Foster Ohio
Bishman Mfg Co Route 2 Osseo 26 Minn (Tire)
Black & Decker Mfg Co 629 Pennsylvania Ave Towson 4 Md
Buckeye Tools Corp 5005 Springboro Pike Dayton 9 Ohio
Camel—See H B Egan Mfg Co
Chicago Pneumatic Tool Co 6 E 44th St N Y 17 N Y "Universal" "Hicycle" "Super Cycle"
Clarke Floor Machine Co 30 E Clay Ave Muskegon Mich
Egan Mfg Co H B P O Box 1406 Muskogee Okla "Camel" (Tire)
Hicycle—See Chicago Pneumatic Tool Co.
Ingersoll-Rand Co 11 Broadway N Y 4 N Y
Rotor Tool Co 23600 Lakeland Blvd Cleveland 32 Ohio
Super Cycle—See Chicago Pneumatic Tool Co
Thor Power Tool Co 175 State St Aurora Ill
Universal—See Chicago Pneumatic Tool Co

BUFFERS, Portable Pneumatic

Buckeye Tools Corp 5005 Springboro Pike Dayton 9 Ohio
Chicago Pneumatic Tool Co 6 E 44th St N Y 17 N Y "CP"
Rotor Tool Co 23600 Lakeland Blvd Cleveland 32 Ohio

BUFFING EQUIPMENT

See following heads:
Buffers, Portable Electric
Compounds, Buffing and Polishing (Metal)
Machines, Buffing and Polishing
Machines, Flexible Shaft (Portable Electric)
Wheels, Buffing and Polishing

BULBS, INCANDESCENT LAMP—See Lamps or Bulbs, Miniature Incandescent

BULLDOZER FURNACES—See Furnaces, Bulldozer

BULLDOZERS

Kling Bros Engrg Works 1320 N Kosher Ave Chicago 51 Ill
Tishken Products Co 13000 W Eight Mile Rd Detroit 37 Mich
Williams White & Co 100 Eighth St Moline Ill (Hydraulic and mechanical)

BUMPER GUARDS—See Guards, Bumper

BUMPERS, Automobile

(Front and rear)

Auto-Lite—See Electric Auto-Lite Co
Bath Co Cyril 32400 Aurora Rd Solon Ohio
Body-Gard—See Nash Bros Co
Electric Auto-Lite Co Toledo 1 Ohio "Auto-Lite"
Holmes Co Ernest 2505 E 43rd St Chattanooga 7 Tenn (Push for wrecker trucks)
Houdaille Industries Inc Huntington Div 900 Ninth Ave W Huntington W Va
Hutchinson Co., 5931 St. Vincents Ave., Shreveport, La. "Redi-Fit." (Rear, for light trucks.)
Michigan Plating & Stamping Co 740 Ann St N W Grand Rapids Mich
Nash Bros Co 2125 Dewey Ave Evanston Ill "Body-Gard" (Steel for trucks and buses)
Parish Pressed Steel Div of Dana Corp Robeson & Weiser Sts Reading Pa
Redi-Fit—See Hutchinson Co.
Rheem Automotive Co 601 S Placetina Ave Fullerton Calif
Rockwell-Standard Corp Bumper Div 843 Fourth Ave Coraopolis Pa

BUMPERS, Spring

(Rubber or spiral spring bumpers to prevent car frame from striking axle)

Duffy Mfg Co Holland Mich
Goodrich Industrial Products Co B F 500 S Main St Akron 18 Ohio
Industrial Rubber Goods Co., St. Joseph, Mich.
Roberts Toledo Rubber Co 4143 Monroe St Toledo 13 Ohio
United States Rubber Co., Rockefeller Center, 1230 Ave. of the Americas, New York 20, N. Y.

BURNERS, Lead

Hoke, Inc., 136 S. Dean St., Englewood, N. J. "Hoke-Jewel."
Hoke-Jewel—See Hoke, Inc.
Lightning—See Tolman Mfg. Co.
NCG—See National Cylinder Gas Div
National Cylinder Gas Div of Chemetron Corp 840 N Michigan Ave Chicago 11 Ill "NCG"
Smith Welding Equipment Corp., 2633 Fourth St., S. E. Minneapolis 14, Minn.
Tolman Mfg. Co., 19 W. Third St., (South Boston), Boston 27, Mass. "Lightning."

BURNISHING BARRELS—See Barrels, Burnishing and Tumbling

BURS

(Used in connection with flexible shaft equipment, for tool and pattern making)

Carburs—See Lincoln Park Industries, Inc.
Di-Bur—See Pratt & Whitney Co
Dixon, Inc., William, 32 E. Kinney St., Newark, N. J.
Ford Mfg Co M A P O Box 628 Davenport Iowa
Heller Tool Co Heller Dr Newcomerstown Ohio (High speed and carbide)
Kellerflex—See Pratt & Whitney Co
Lincoln Park Industries Inc 1719 Ferris Ave Lincoln Park 25 Mich "Carburs"
Martindale Electric Co., 1340 Hird Ave., Cleveland 7, Ohio.
Midget Mills—See Severance Tool Industries Inc
Nicholson File Co Providence 1 R I
Pratt & Whitney Co Charter Oak Blvd West Hartford 1 Conn "Di-Bur"; "Kellerflex" (Carbide)
Severance Tool Industries Inc 711 Iowa Rd Saginaw Mich "Midget Mills" (High speed and carbide)
Simonds Saw & Steel Co 470 Main St Fitchburg Mass (High speed and carbide)
W-S—See Wendt-Sonis Co
Wendt-Sonis Co Tenth & Collier Sts Hannibal Mo "W-S" (Carbide)

BURRS—See Washers, Brass and Copper; Washers, Iron and Steel; also Washers and Burrs, Riveting

BUS BODIES—See Bodies, Bus

BUS BODY PARTS (Steel)—See Parts, Bus Body (Steel)

BUS WINDOWS—See Windows, Metal Sash (Bus, Cab and Trailer)

BUSES

Available Truck Co Div of Crane Carrier Corp P O Box 5008 Tulsa Okla (Gasoline or Diesel)
Chevrolet Motor Div of General Motors Corp General Motors Corp Detroit 2 Mich (Chassis only)
Coachline—See Divco Truck Div
Crown Coach Corp 2500 E 12th St Los Angeles 21 Calif (Gasoline and Diesel)
Divco Truck Div Divco-Wayne Corp 22000 Hoover Rd Detroit 5 Mich (School; "Coachline" small transit)
Dodge Div Chrysler Corp 7900 Joseph Campau Ave Detroit 31 Mich (School)
Federal Motor Truck Co 834 N Seventh St Minneapolis 11 Minn
Flxible Co 326 N Water St Loudonville Ohio "Fixible" (Intercity); "Fixible-Twin" (City)
GMC Truck & Coach Div General Motors Corp 660 South Blvd E Pontiac 11 Mich "GM Coach"
Gillig Bros 50 El Dorado St (P O Box 330) Hayward Calif
Highway Products Inc 800 Stow St Kent Ohio "Hypro" (Highway post office vehicles and specialized motor coaches)
Hypro—See Highway Products Inc
International Harvester Co 180 N Michigan Ave Chicago 1 Ill (School)
Mack Trucks Inc 1000 S Second St Plainfield N J (Gasoline and Diesel)
Marmon-Herrington Co 1511 W Washington St Indianapolis 7 Ind (Also school bus chassis)
Reo Div White Motor Co 1331 S Washington St Lansing 20 Mich (Gasoline and Diesel school)
Southern Coach & Body Co Evergreen Ala
Studebaker-Packard Corp 635 S Main St South Bend 27 Ind (Chassis only)
Superior Coach Corp E Kibby St & D T & I R R Lima Ohio (School)
White Motor Co 842 E 79th St Cleveland 1 Ohio (School)

BUSHING OIL GROOVING MACHINES—See Machines Oil Grooving

BUSHINGS BABBITT-LINED BRONZE-BACKED — See Bearings and Bushings Bronze-Backed

BUSHINGS, BRONZE — See Bearings and Bushings, Bronze

BUSHINGS, DRILLING AND REAMING—See Bushings Jig

BUSHINGS, Jig

ASA—See Accurate Bushing Co
Accurate Bushing Co 443 North Ave Garwood N J "ASA"
Ace Drill Bushing Co 5407 Fountain Ave Los Angeles 29 Calif (Drill)
Acme Industrial Co., 200 N. Laflin St., Chicago, Ill. (Drill)
American Drill Bushing Co 5107 Pacific Blvd Los Angeles 58 Calif (Drill)
Anchor—See Hi-Shear Rivet Tool Co.
Briney—See Jig Bushing Co.
Colonial Broach & Machine Co P O Box 37 Harper Sta Detroit 13 Mich (Drill)
Ex-Cell-O Corp 1200 Oakman Blvd Detroit 32 Mich "XLO" (Drill)
Hi-Shear Rivet Tool Co 2600 W 247th St Torrance Calif "Anchor" (Drill)
Jig Bushing Co 454 Cass Ave Pontiac Mich "Briney" (Drill; sole distributors Leland-Gifford Co 1025 Southbridge St Worcester Mass)
Kennametal Inc Lloyd Ave Latrobe Pa (Drill)
Metal Carbides Corp 107 E Indianola Ave Youngstown 7 Ohio "Talide"
Meyers Co W F 1017 14th St Bedford Ind "Meyco"
Talide—See Metal Carbides Corp
Universal Engineering Co 126 N Main St Frankenmuth Mich (Drill)
XLO—See Ex-Cell-O Corp.

BUSHINGS, METALLIC POWDER — See Parts Metallic Powder

BUSHINGS, Rubber

ASA—See Accurate Bushing Co
Accurate Bushing Co 443 North Ave Garwood N J "ASA"
Anchor Rubber Products Div of Anchor Industries Inc 1725 London Rd Cleveland 12 Ohio "Tuftex"
Armor-Flex—See Doan Mfg Div of Anchor Industries Inc
Atlantic India Rubber Works Inc 571 W Polk St Chicago 7 Ill
Bushings Inc 4358 Coolidge Highway Royal Oak Mich "Rubberflex"
Canfield Co H O 191 Housatonic Ave Bridgeport 1 Conn
Clevebloc—See Clevite Harris Products Inc
Cleveland Graphite Bronze Div of Clevite Corp 17000 St Clair Ave Cleveland 10 Ohio
Clevite Harris Products Inc Lockwood Rd Milan Ohio "Clevebloc"
Doan Mfg Div of Anchor Industries Inc 1725 London Rd Cleveland 12 Ohio "Armor-Flex"
Firestone Tire & Rubber Co 1200 Firestone Parkway Akron Ohio
Goodrich Industrial Products Co B F 500 S Main St Akron 18 Ohio
Goshen Rubber Co 609 E Iowa St Goshen Ind
Harris—See Clevite Harris Products Inc
Kuehn Co N L 3747 N Booth St Milwaukee 12 Wis
Lord Mfg Co 1635 W 12th St Erie Pa (Bonded to metal)
Minnesota Rubber Co 3630 Woodale Ave St Louis Park Minneapolis 16 Minn
Roberts Toledo Rubber Co 4143 Monroe St Toledo 13 Ohio
Rodic Chemical & Rubber Corp Allen Ave New Brunswick N J
Rubberflex—See Bushings Inc
Silentbloc—See Clevite Harris Products Inc
Standard Products Co 2130 W 110th St Cleveland 2 Ohio
Tuftex—See Anchor Rubber Products Div of Anchor Industries Inc
United States Rubber Co., Rockefeller Center, 1230 Ave. of the Americas, New York 20, N. Y.
Wheel Parts & Mfg Co 352 Fourth Ave N Y 10 N Y

BUSHINGS, SELF-LUBRICATING—See Bearings and Bushings, Self-Lubricating (Auto)

BUSHINGS, Steel

Aetna Ball & Roller Bearing Co Div of Parkersburg-Aetna Corp 4600 Schubert Ave Chicago 39 Ill
Aluminum Industries Inc 3670 Werk Rd Cincinnati 11 Ohio "Permite"
Boston Gear Works Div Murray Corp 14 Hayward St Quincy 71 Mass
Brown Corp., 213 Bellevue Ave., Syracuse, N. Y.
Bull Dog—See Jambor Tool & Stamping Co.
Cleveland Graphite Bronze Div of Clevite Corp 17000 St Clair Ave Cleveland 10 Ohio
Hill Nut Co., 2620 W. Flournoy St., Chicago 12, Ill.
Jambor Tool & Stamping Co., 3057 N. 30th St., Milwaukee, Wis. "Bull Dog."
McQuay-Norris Mfg. Co., 2320 Marconi St., St. Louis, Mo.
Marquette Div Curtiss-Wright Corp 1145 Galewood Drive Cleveland 10 Ohio
Permite—See Aluminum Industries, Inc.
Wagner Mfg Co E R 4611 N 32nd St Milwaukee 16 Wis

BUTANE ENGINES—See Engines, Butane and Propane (Bus and Truck)

CABINETS, Accessory

Angle Steel Inc 56 Oak St Plainwell Mich
Bay Products Div American Metal Works Inc 1835 W Cambria St Philadelphia 32 Pa
Berger Div Republic Steel Corp 1038 Belden Ave N E Canton 5 Ohio
Bernard Franklin Co Hedley & Bath Sts Philadelphia 37 Pa
Buxbaum Co 1212 Seventh St S W Canton 1 Ohio (Small parts)
Cutler Metal Products Co., 1025 Line St., Camden, N. J.
Equipto Div Aurora Equipment Co Prairie St at Cleveland Ave Aurora Ill
FGM—See Frick-Gallagher Mfg Co
Frick-Gallagher Mfg Co 200 W Second St Wellston Ohio "FGM"
Heller & Co W C 1907 Wabash Ave Montpelier Ohio
Lyon Metal Products Inc 2931 Montgomery St Aurora Ill

CABINETS, Blast Cleaning

Leiman Bros., Inc., 207 Christie St., Newark, N. J.
Pangborn Corp 200 Pangborn Blvd Hagerstown Md "Pangborn Hydro-Blast"
Ruemelin Mfg. Co., 3500 N. Palmer St., Milwaukee, Wis.
Slyblast—See W. W. Sly Mfg. Co.
Sly Mfg Co., W. W., 4706 Train Ave., Cleveland, Ohio. "Slyblast."

CABLE, BATTERY—See Cables, Storage Battery

CABLE, Brake Control

Bergen Wire Rope Co 52 Gregg St Lodi N J
Flexite—See United Parts Mfg Co
Miley Co L J 1062 W Adams St Chicago Ill
Milwaukee Spring Co Div Illinois Coil Spring Co 3400 S Nevada St Milwaukee 7 Wis
Orscheln Brake Lever Mfg Co 1177 N Morley St Moberly Mo
Roebling's Sons Corp John A 640 S Broad St Trenton N J
Teleflex Industrial Products Inc Fourth & Burke Sts Boyertown Pa
United Parts Mfg. Co., 1250 W. Van Buren St., Chicago 7, Ill. "Flexite."

CABLE, Brake Control (With Conduit)

American Chain & Cable Co Automotive & Aircraft Div 601 Stephenson Bldg Detroit 2 Mich "Tru-Lay" (Using "Tru-Loc" fittings)
Bendix Products Div Bendix Aviation Corp South Bend 20 Ind
Bowden—See Gwilliam Co.
Els Automotive Corp., Middletown, Conn.
Gwilliam Co 360 Furman St Brooklyn 1 N Y "Bowden"
Lisle Corp Brake Div 805 E Main St Clarinda Iowa
Midland-Ross Corp Owosso Div 490 S Chestnut St Owosso Mich
Tru-Lay—See American Chain & Cable Co., Automotive & Aircraft Div.
Tru-Loc—See American Chain & Cable Co., Automotive & Aircraft Div.

CABLE, Ignition, Starting and Lighting

(In bulk, length on spools, rolls, etc.)

American Electric Cable Co 181 Appleton St Holyoke Mass "Lusterlac" "Power Streak"
Auto-Lite—See Electric Auto-Lite Co.
Belden Mfg Co 415 S Kilpatrick St Chicago 44 Ill
Berg Mfg & Sales Co 1712 S Michigan Blvd Chicago 16 Ill (Lighting for trailers)
Blue Streak—See Standard Motor Products, Inc.
Clipper—See Walker Bros.
Copperweld Steel Co Flexo Wire Div 70 W First St Oswego N Y
Crescent Co 20 Central Ave Pawtucket R I "Wiry Joe"
Electric Auto-Lite Co Toledo 1 Ohio "Auto-Lite"
Essex Wire Corp 1601 Wall St Fort Wayne Ind "SX"
Freedco Products Inc 36-08 33rd St Long Island City 6 N Y
Jordan Electrical Products Sales Automotive Div Electric Storage Battery Co 222 N Second St Minneapolis 1 Minn
Lusterlac—See American Electric Cable Co
Packard Electric Div General Motors Dana St Warren Ohio
Power Streak—See American Electric Cable Co

CABLE, Ignition, Starting and Lighting —continued

Realiflex Products Co 335 38th St Brooklyn 32 N Y "Realiflex" "Speedway" "Yankee"
Royal Electric Corp 95 Grand Ave Pawtucket R I
SX—See Essex Wire Corp.
Silver Beauty—See Triple-A Specialty Co
Sittler Corp 18 N Ada St Chicago 7 Ill
Sorensen Mfg Co P 32-31 57th St Woodside 77 N Y
Speedway—See Realiflex Products Corp
Standard Motor Products Inc 37-18 Northern Blvd Long Island City L I N Y "Blue Streak" "Standard"
Triple-A-Specialty Co 2835 N Western Ave Chicago 18 Ill "Triple-A" "Silver Beauty"
Velvac Inc 3534 W Pierce St Milwaukee 15 Wis
Walker Bros River & End Sts Conshohocken Pa "Walker of Conshohocken" "Clipper"
Whitaker Cable Corp., 1301 Burlington Ave. North Kansas City 16, Mo.
Willard Sales Automotive Div Electric Storage Battery Co P O Box 6266 Cleveland 1 Ohio
Wiry Joe—See Crescent Co.
Yankee—See Realiflex Products Corp

CABLES (Sets)

(Ignition and lighting assemblies made up to fit different makes of cars)

American Electric Cable Co 181 Appleton St Holyoke Mass "Lusteriac" (Ignition)
American Phenolic Corp., 1830 S. 54th Ave., Chicago 50, Ill.
Auto-Lite—See Electric Auto-Lite Co.
Beck Products Corp 12255 E 8 Mile Rd Detroit 5 Mich
Belden Mfg Co 415 S Kilpatrick St Chicago 44 Ill
Blue Streak—See Standard Motor Products Inc.
Clipper—See Walker Bros.
Cole-Hersee Co., 54 Old Colony Ave., Boston 27, Mass.
Crescent Co 20 Central Ave Pawtucket R I "Wiry Joe"
Eisenhauer Mfg Co P O Box 399 Van Wert Ohio
Electric Auto-Lite Co Toledo 1 Ohio "Auto-Lite"
Ertron—See Richards Mfg Co
Essex Wire Corp 1601 Wall St Fort Wayne 6 Ind "SX"
Freedco Products Inc 36-08 33rd St Long Island City 6 N Y
Gilpak Automotive Products Div Packer Auto Parts Inc Roselle N J
Jordan Electrical Products Sales Automotive Div Electric Storage Battery Co 222 N Second St Minneapolis 1 Minn
Keen—See Richards Mfg Co
Lusteriac—See American Electric Cable Co
Packard Electric Div General Motors Dana St Warren Ohio "Packard Four-Forty" (Ignition)
Preferred Electric & Wire Co Bush Terminal Bldg No 8 Brooklyn 32 N Y (Ignition)
Realiflex Products Co 335 38th St Brooklyn 32 N Y "Realiflex" "Speedway" "Yankee"
Richards Mfg Co 20 E Herman St Philadelphia 44 Pa "Keen" "Erton" "Richards Dri-Spark"
SX—See Essex Wire Corp
Silver Beauty—See Triple-A Specialty Co
Sittler Corp 18 N Ada St Chicago 7 Ill
Sorensen Mfg Co P 32-31 57th St Woodside 77 N Y
Speedway—See Realiflex Products Co
Standard Motor Products Inc 37-18 Northern Blvd Long Island City L I N Y "Blue Streak" "Standard"
Triple-A-Specialty Co 2835 N Western Ave Chicago 18 Ill "Triple-A" "Silver Beauty"
Walker Bros River & End Sts Conshohocken Pa "Walker of Conshohocken" "Clipper" (Spark plug)
Whitaker Cable Corp., 1301 Burlington Ave., North Kansas City 16 Mo
Willard Sales Automotive Div Electric Storage Battery Co P O Box 6266 Cleveland 1 Ohio
Wiry Joe—See Crescent Co
Yankee—See Realiflex Products Co

CABLES SPARK PLUG—See Cables (Sets)

CABLES, Storage Battery

(Complete with terminals and cut in proper lengths to fit different makes of cars)

American Electric Cable Co 181 Appleton St Holyoke Mass "Lusteriac" & "Power Streak"
Auto-Lite—See Electric Auto-Lite Co.
Belden Mfg Co 415 S Kilpatrick St Chicago 44 Ill
Blue Streak—See Standard Motor Products Inc.
Bowes "Seal Fast" Corp 5902 E 34th St Indianapolis 18 Ind
Clipper—See Walker Bros
Crescent Co 20 Central Ave Pawtucket R I "Wiry Joe"
Deka—See East Penn Mfg Co
East Penn Mfg Co Lyons Station Pa "Deka"
Electric Auto-Lite Co Toledo 1 Ohio "Auto-Lite"
Essex Wire Corp., 1601 Wall St., Fort Wayne, Ind. "SX."
Freedco Products Inc 36-08 33rd St Long Island City 6 N Y
Gould-National Batteries Inc Industrial Div 467 Calhoun St Trenton 7 N J
Jordan Electrical Products Sales Automotive Div Electric Storage Battery Co 222 N Second St Minneapolis 1 Minn
Lusteriac—See American Electric Cable Co
National Ignition Mfg Co 521 W 23 St N Y 11 N Y "Nimco"
Nimco—See National Ignition Mfg Co
Packard Electric Div General Motors Dana St Warren Ohio
Power Streak—See American Electric Cable Co
Preferred Electric & Wire Co Bush Terminal Bldg No 8 Brooklyn 32 N Y
SX—See Essex Wire Corp
Silver Beauty—See Triple-A Specialty Co
Sittler Corp 18 N Ada St Chicago 7 Ill
Sorensen Mfg Co P 32-31 57th St Woodside 77 N Y
Standard Motor Products Inc 37-18 Northern Blvd Long Island City L I N Y "Blue Streak" "Standard"
Triple-A-Specialty Co 2835 N Western Ave Chicago 18 Ill "Triple-A" "Silver Beauty"
Walker Bros River & End Sts Conshohocken Pa "Walker of Conshohocken" "Clipper"
Whitaker Cable Corp., 1301 Burlington Ave., North Kansas City 16, Mo.
Willard Sales Automotive Div Electric Storage Battery Co P O Box 6266 Cleveland 1 Ohio
Wiry Joe—See Crescent Co.

CABLES, Welding

(See also Hose, Welding)

Airco—See Air Reduction Sales Co
Air Reduction Sales Co Socony-Mobil Bldg 150 E 42nd St N Y 17 N Y
Belden Mfg Co 415 S Kilpatrick St Chicago 44 Ill
Burdett Oxygen Co of Cleveland Inc 3300 Lakeside Ave Cleveland 14 Ohio "Burdox"
Burdox—See Burdett Oxygen Co of Cleveland Inc
Crescent Co 20 Central Ave Pawtucket R I "Wiry Joe"
General Cable Co 730 Third Ave N Y 17 N Y
Lincoln Electric Co 22801 St Clair Ave Cleveland 17 Ohio "Stable-Arc"
NCG—See National Cylinder Gas Div
National Cylinder Gas Div of Chemetron Corp 840 N Michigan Ave Chicago 11 Ill "NCG"
Roebling's Sons Corp John A 640 S Broad St Trenton N J
Sittler Corp 18 N Ada St Chicago 7 Ill
Stable-Arc—See Lincoln Electric Co
Tweco Products Co Boston at Mosley Sts Wichita 1 Kans "Tweco-Lite"
Uniflex—See United Metal Craft Co
United Metal Craft Co 800 Lowell St Ypsilanti Mich "Uniflex"

CABS, Industrial Truck, Etc.

Allen Industrial Products Inc 300 Pilgrim Rd Menomonee Falls Wis
Barkow Co H 153 N Milwaukee St Milwaukee 2 Wis
Clark Equipment Co Industrial Truck Div Lafayette & 24th Sts Battle Creek 85 Mich
Crenlo Inc 1600 Fourth Ave N W Rochester Minn
Mercury Mfg Co 4700 W Division St Chicago 51 Ill

CABS, Truck Body (Wood, Metal and Plastic)

ABC—See Aluminum Body Corp
Allen Industrial Products Inc 300 Pilgrim Rd Menomonee Falls Wis
Aluminum Body Corp 1600 W Washington Blvd Montebello Calif "ABC" (Aluminum sleeper)
Automotive Industries Inc Owendale Mich (Steel sleeper)
Bedell Trailer Co 1506 S Flores St San Antonio 4 Tex (Steel sleeper)
Brockway Motor Trucks Div of Mack Trucks Inc 106 Central Ave Cortland N Y
Chicago Mfg Co 411 N Trumbull Ave Chicago 24 Ill (Steel or aluminum)
Clark Equipment Co Brown Trailer Div Michigan City Ind (Aluminum sleeper)
Couse Mfg Inc 300 Passaic St Newark 4 N J (Armored)
Crown Steel Products Co 1330 N Main St Orrville Ohio (Steel)
Cutler Metal Products Co., 1025 Line St., Camden, N. J.
D E K Mfg Co 420 E Pine St Orrville Ohio (Plastic)
Kelly Mfg Co 503 Broad St Charleston 21 W Va "Kelly" "Kemco" (Steel for jeeps)
Kemco—See Kelly Mfg Co
Koenig Iron Works Inc P O Box 7726 Houston 10 Tex (Steel for jeeps)
McLaughlin Body Co 2430 Third Ave Moline Ill (Metal)
Montpelier Mfg Co Montpelier Ohio
Orrville Body Co Orrville Ohio (Also sleeper)
Stoughton Body Div of M P M Corp 408 E South St Stoughton Wis (Sleeper)
Timpte Bros Inc E 40 Ave & York St Denver 5 Colo (Steel sleeper)
Truck Cab Mfrs Inc 1201 Findlay St Cincinnati 14 Ohio (Metal)
Youngstown Kitchens-Div of American-Standard 605 S Ellsworth St Salem Ohio (Steel)

CAB WINDOWS—See Windows, Metal Sash (Bus, Cab and Trailer)

CADMIUM PLATING—See Plating Cadmium-Nickel

CALCIUM CARBIDE—See Carbide, Calcium

CALENDERING and COATING MATERIALS —See Resins Synthetic (For Bonding, Impregnating, Laminating and Protective Coatings)

CALIPERS and DIVIDERS

Ames Co B C 12 Ames St Waltham 54 Mass (Calipers)
Brown & Sharpe Mfg. Co., 235 Promenade St., Providence, R. I.
Central Tool Co 456 Wellington Ave Cranston 10 R I
Dixon Inc William 32 E Kinney St Newark 1 N J
DoAll Co 254 N Laurel Ave Des Moines Iowa
Kastar Inc 200 Lincoln Ave N Y 54 N Y
Keystone Reamer & Tool Co., Millersburg, Pa.
Lufkin Rule Co 1730 Hess Ave Saginaw Mich
Millers Falls Co 57 Wells St Greenfield Mass
Peck Stow & Wilcox Co 217 Center St South Ington Conn "Pexto" (Dividers)
Pexto—See Peck, Stowe & Wilcox Co.
Starrett Co., L. S., 1 Crescent St., Athol, Mass.
Swedish Gage Co of America 10641 Haggerty Ave Dearborn 1 Mich (Calipers)
Union Tool Co., 48 E. River St., Orange, Mass.
Woodworth Corp C B Greene N Y (Indicating calipers)

CAM GRINDING MACHINES—See Machines, Grinding (Cam)

CAMSHAFTS, Cast

Campbell, Wyant & Cannon Foundry Co Muskegon Mich "Cannonite"
Cannonite—See Campbell, Wyatt & Cannon Foundry Co.

CAMSHAFTS, Finished or Machined

(For camshafts in the rough—see Forgings)

Accuratime—See Muskegon Camshaft Co
Almquist Engrg Co Milford Pa (Racing)
Atlas Industries Inc 2000 E Main St Woodville O
Continental Motors Corp Muskegon 82 Mich
Muskegon Camshaft Co Seventh & Larch Sts Muskegon 81 Mich "Accuratime" (Finished)
Ohio Crankshaft Co 3800 Harvard Ave Cleveland 5 Ohio
Universal Camshaft Co 350 E Broadway Muskegon Heights Mich

CAMSHAFTS, Forgings

Ladish Co., 5481 S. Packard Ave., Cudahy, Wis
Park Drop Forge Co., 777 E. 79th St., Cleveland 3, Ohio.

Transue & Williams Steel Forging Corp 562 Ely St Alliance Ohio
Unit Drop Forge Div of Fuller Mfg Co 1903 S 62nd St Milwaukee 1 Wis

CANS, Oily Waste

Justrite Mfg Co 2061 W Southport Ave Chicago 14 Ill

CAPS, Crankcase Breather

(See also Ventilators, Crankcase)

AC Spark Plug The Electronics Div of General Motors 1300 N Dort Highway Flint 2 Mich
Air-Maze Corp 25000 Miles Rd Cleveland 28 Ohio
Badger Mfg Corp 1501 W Polk St Chicago Ill
Berkson Products Inc 217 N Desplaines St Chicago 6 Ill
Vortox Co 121 S Alexander Ave Claremont Calif

CAPS, Gasoline Tank

AC Spark Plug The Electronics Div of General Motors 1300 N Dort Highway Flint 2 Mich
Attwood Brass Works Inc 303 Douglas St NW Grand Rapids Mich
Badger Mfg Corp 1501 W Polk St Chicago Ill
Berkson Products Inc 217 N Desplaines St Chicago 6 Ill "Seal-Tite" "Berkson"
Chilton Metal Products Inc 300 Breed St Chilton Wis
Eaton Mfg Co Stamping Div 17877 St Clair Ave Cleveland 10 Ohio
Evrseal—See Stant Mfg Co
Freedco Products Inc 36-08 33rd St Long Island City 6 N Y
King Bee Mfg Co 2600 Washington Blvd Bellwood Ill (Non-syphonable)
Lightnin—See R J Loock & Co
Lincoln Brass Works 2067 12th St Detroit 16 Mich
Loock & Co, R J, 343 N Gay St, Baltimore, Md "Lightnin"
Monarch Insulated Wire Co., 491 Broadway, New York 12, N. Y.
Namsco Inc 333 31st Ave Bellwood Ill "National"
National—See Namsco Inc; also Wheel Parts & Mfg Co
Norlipp Co., 5925 S. Lowe Ave., Chicago 21 Ill.
Roylin Inc 620 Paula Ave Glendale 1 Calif (Sole distributors Airaterra 620 Paula Ave Glendale 1 Calif)
Sal Metal Products Co., 120 Freeman St., Brooklyn 22, N. Y. "Sam-Sons."
Sam-Sons—See Sal Metal Products Co.
Seal-Tite—See Berkson Products Inc
Stant Mfg Co 1620 Columbia St Connersville Ind "Evrseal"
Victor Instrument Mfg Co 33 W 60th St New York 23 N Y
Wheel Parts & Mfg Co 352 Fourth Ave New York 10 N Y "National"

CAPS, Gasoline Tank (Locking)

Badger Mfg Corp 1501 W Polk St Chicago Ill
Berkson Products Inc 217 N Desplaines St Chicago 6 Ill "Berkson" & "Seal-Tite"
Dual-Loc—See Stant Mfg Co
Edelmann & Co E Wayne Metalcraft Div 2332 Logan Blvd Chicago 47 Ill "Wayne"
Electroline Mfg Co 2622 E 51st St Cleveland 4 Ohio
Evrseal—See Stant Mfg Co
Gas Lock—See Hall Products Div
Hall Products Div of C M Hall Lamp Co 1035 E Hancock Ave Detroit 7 Mich "Gas Lock"
National—See Wheel Parts & Mfg Co
Norlipp Co 5925 S Lowe Ave Chicago 21 Ill
Seal-Tite—See Berkson Products Inc
Stant Mfg Co 1620 Columbia St Connersville Ind "Dual-Loc" "Evrseal"
Wayne—See E Edelmann & Co
Wheel Parts & Mfg Co 352 Fourth Ave New York 10 N Y "National"

CAPS, Hub

Akron-Selle Co High & Chestnut Sts Akron 11 Ohio (To order)
Auld Co., D. L., Fifth Ave. & Fifth St. Columbus 1, Ohio.
Auto-Lite—See Electric Auto-Lite Co
Badger Mfg Corp 1501 W Polk St Chicago Ill
Brown-Lipe-Chapin Div General Motors Corp Town Line Rd Syracuse N Y
Crosby Co., 183 Pratt St Buffalo N Y
Eaton Mfg Co Stamping Div 17877 St Clair Ave Cleveland 10 Ohio
Electric Auto-Lite Co Toledo 1 Ohio "Auto-Lite"
Geneva Metal Wheel Co., 191 Factory Row Geneva, Ohio.
Hamlin Metal Products Co 2741 Wingate Ave Akron 19 Ohio
Hurd Lock & Mfg Co 9689 Grand River Ave Detroit 4 Mich
Konigslow Mfg Co Otto 3600 Perkins Ave Cleveland 14 Ohio
Namsco Inc 333 31st Ave Bellwood Ill "National"
National — See Namsco Inc also Wheel Parts & Mfg Co
Rockford Metal Products Inc 716 Cedar St Rockford Ill
Wesbar Stamping Corp., West Bend, Wis.
Wheel Parts & Mfg. Co., 352 Fourth Ave., New York 10, N. Y. "National."

CAPS, Oil Filler

Badger Mfg Corp 1501 W Polk St Chicago 7 Ill
Berkson Products Inc 217 N Desplaines St Chicago 6 Ill "Seal-Tite"
Eaton Mfg Co Stamping Div 17877 St Clair Ave Cleveland 10 Ohio
Edelmann & Co E Wayne Metalcraft Div 2332 Logan Blvd Chicago 47 Ill "Wayne"
Everseal—See Stant Mfg Co
Seal-Tite—See Berkson Products Inc
Stant Mfg Co 1620 Columbia St Connersville Ind
Technical Development Co PO Box 82 Glenolden Pa
Wayne—See E Edelmann & Co

CAPS, Radiator

AC Spark Plug The Electronics Div of General Motors 1300 N Dort Highway Flint 2 Mich (Pressure)
American Insulator Corp., New Freedom, Pa. (Composition.)
Badger Mfg Corp 1501 W Polk St Chicago Ill (Underhood and pressure)
Berkson Products Inc 217 N Desplaines St Chicago 6 Ill (Pressure and non-pressure)
Eaton Mfg Co Stamping Div 17877 St Clair Ave Cleveland 10 Ohio (Standard and pressure)
Edelmann & Co E Wayne Metalcraft Div 2332 Logan Blvd Chicago 47 Ill "Wayne" (Pressure)
Everhot Products Co 2001 W Carroll Ave Chicago 12 Ill (Pressure)
Evrseal—See Stant Mfg Co
Loock & Co R J 343 N Gay St Baltimore Md (Pressure and underhood)
Namsco Inc 333 31st Ave Bellwood Ill "National"
National—See Namsco Inc; also Wheel Parts & Mfg Co
Norlipp Co., 592a S. Lowe Ave., Chicago 21, Ill
Rockford Metal Products Inc 716 Cedar St Rockford Ill
Sal Metal Products Co 120 Freeman St Brooklyn 22 N Y "Sam-Sons"
Sam-Sons—See Sal Metal Products Co
Stant Mfg Co 1620 Columbia St Connersville Ind "Evrseal" (Standard and pressure)
Truckstell Mfg Co 3490 W 140th St Cleveland 11 Ohio (Pressure)
Victor Instrument Mfg Co 33 W 60th St New York 23 N Y
Wayne—See E Edelmann & Co
Wheel Parts & Mfg Co 352 Fourth Ave New York 10 N Y "National"

CAPS, TANK—See Caps, Gasoline Tank

CAPS, Tire Valve

Acme Air Appliance Co 205 Newman St Hackensack N J
Autocap—See Emvir Mfg Co
Bowes "Seal Fast" Corp 5902 E 24th St Indianapolis 18 Ind
Bridgeport Brass Co 30 Grand St Bridgeport 2 Conn
Dill Mfg Co 700 E 82nd St Cleveland 3 Ohio
Druge Bros Mfg Co 888 92nd Ave Oakland 3 Calif (Sole distributors Tru-Flate Inc 888 92nd Ave Oakland 3 Calif)
Dubilite—See A Schrader's Son Div of Ecovill Mfg Co
Emvir Mfg Co 1705 Lincoln St Evanston Ill "Autocap" (Automatic)
G M Co Mfg Inc 13-08 43rd Ave Long Island City L I N Y
Hill Nut Co 2620 W Flournoy St Chicago 12 Ill
Planet Metal Products Corp 964 Dean St Brooklyn 38 N Y
Schrader's Son Div of Scovill Mfg Co A 470 Vanderbilt Ave Brooklyn 38 N Y "Dubilite"
Syracuse Gauge Co PO Box 51 Manlius N Y
Victor Instrument Mfg. Co., 33 W. 60th St., New York 23, N. Y.

CARBIDE, Calcium

Air Reduction Sales Co Socony-Mobil Bldg 150 E 42nd St New York 17 N Y "National"
American Cyanamid Co Industrial Chemicals Div Process Chemicals Dept 30 Rockefeller Plaza N Y 20 N Y
Carbic—See Linde Co
Linde Co 30 E 42nd St New York 17 N Y "Carbic" "Union"
National—See Air Reduction Sales Co.
Shawinigan Products Corp., Empire State Bldg., 350 Fifth Ave., New York 1, N. Y.
Union—See Linde Co

CARBIDE, Cemented

(For cemented carbide tools — See under Tools, Cutting)

Allegheny Ludlum Steel Corp Carmet Div Detroit 20 Mich "Carmet"
Carboloy—See General Electric Co
Carmet—See Allegheny Ludlum Steel Corp Carmet Div
Firlomet—See Firth-Load Metals Inc
Firth-Load Metals Inc Buttermilk Hollow Rd McKeesport Pa "Firlomet"
General Electric Co Metallurgical Products, Dept 11777 E 8 Mile Rd Detroit 32 Mich "Carboloy"
Kennametal Inc Lloyd Ave Latrobe Pa
Vikide—See Viking Tool Co
Viking Tool Co 1000 Nichols Rd Shelton Conn "Vikide"
Wesson Co 12200 Woodward Heights Blvd Ferndale 20 Mich "Wessonmetal" (Blanks)
Willey's Carbide Tool Co 1340 W Vernor Highway Detroit 1 Mich

CARBON REMOVERS—Solvents, Oil, Carbon and Grease Removing

CARBORUNDUM PAPER—See Paper, Abrasive

CARBORUNDUM WHEELS—See Wheels, Grinding

CARBURETOR PARTS AND ATTACHMENTS — See Cleaners, Air, Carburetor (Auto); Controls, Carburetor Choke (Automatic); Controls, Push-Pull; Floats, Cork; Floats, Metal; Parts, Carburetor; also Silencers, Carburetor Intake

CARBURETOR TESTERS (For Factories)—See Testers, Carburetor (For Factories)

CARBURETORS, Auxiliary (Diesel or Gasoline)

Jetomatic Inc 150 Wakelle Ave Ansonia Conn

CARBURETORS, Butane, Propane & LP-Gas

(See also Converters LP-Gas for Gasoline Engines)

Algas—See American Liquid Gas Corp
American Liquid Gas Corp 1109 Santa Fe Ave Los Angeles 21 Calif "Algas"
Beam Products Mfg Co 3040 Rosslyn St Los Angeles 65 Calif
Century Gas Equipment Marvel-Schebler Products Div Borg-Warner Corp 625 Southside Dr Decatur Ill
Ensign Carburetor Co 1551 E Orangethorpe Ave Fullerton Calif
J & S Carburetor Co 2634 N Beckley St Dallas 2 Tex
Zenith Carburetor Div of Bendix Aviation Corp 696 Hart Ave Detroit 14 Mich

CARBURETORS, Gasoline

Almquist Engrg Co Milford Pa
Carter Carburetor Div of ACF Industries Inc 2840 N Spring Ave St Louis 7 Mo (Automatic and manual choke)
Eclipse Machine Div Bendix Aviation Corp Elmira N Y "Stromberg" (For original equipment)
Holley Carburetor Co 11955 E Nine Mile Rd Warren Mich
Marvel-Schebler Products Div Borg-Warner Corp Decatur Ill
Rochester Products Div General Motors Corp 1000 Lexington Ave Rochester 3 N Y "Rochester-GM"
Stromberg—See Eclipse Machine Div Bendix Aviation Corp
Tillotson Mfg Co 761 Berdan St Toledo Ohio

CARBURETOR, Gasoline—continued

Zenith Carburetor Div. of Bendix Aviation Corp., 696 Hart Ave., Detroit 14, Mich. "Zenith"; (Also "Zenith Gov-U-Retor" Combination carburetor and governor.)

CARDS, FILE—See Brushes, File Cleaning

CARPET, Auto

(See also Coverings, Floor [Bus or Truck])

Automotive Products Div Crotty Corp 35 E Chicago Ave Quincy Mich
Collins & Aikman Corp 210 Madison Ave N Y 16 N Y
Crest Mfg Co 5724 Cass Ave Detroit 2 Mich (Mats)
Dee-Gee—Set Detroit Gasket & Mfg Co
Detroit Gasket & Mfg Co 12640 Burt Rd Detroit 23 Mich "Dee-Gee"
Duncan Co W H 1186 Union St Brooklyn 21 N Y
Fabric Mfg Co 97 Chestnut St Newark 5 N J
Masland & Sons, C. H., Carlisle, Pa.
National Automotive Fibres Inc 19925 Hoover Ave Detroit 5 Mich
Newark Auto Top Co 80 Central St Newark 2 N J "Newart"
Stevens & Co J P 803 W 11 Mile Rd Royal Oak Mich
Vogt Mfg Corp 100 Fernwood Ave Rochester 21 N Y
Zink Corp Howard Fremont Ohio

CARRIERS, Storage Battery

Berkson Products Inc 217 N Desplaines St Chicago 6 Ill
Bishman Mfg Co Route 2 Osseo 26 Minn
Blackhawk—See New Britain Machine Co
Champ-Items Inc 6191 Maple Ave St Louis 14 Mo
Continental Bearings Corp 2515 S Wabash Ave Chicago 16 Ill
Duro Metal Parts Co., 2649 N. Kildare Ave., Chicago 39, Ill.
Five Star Mfg Co Box 149 Clarksdale Miss "Kat's Karrier"
K-D Mfg Co 526 N Plum St Lancaster Pa
Kat's Karrier—See Five Star Mfg Co
Kirspel Industries Inc Livingston N J
Lightnin—See R. J. Loock & Co.
Loock & Co., R. J., 843 N Gay St., Baltimore, Md. "Lightnin."
Murray Corp E Joppa Rd Towson 4 Md
National—See Wheel Parts & Mfg Co
New Britain Machine Co Hand Tools Div **South St New Britain Conn "Blackhawk" & "New Britain"**
Plews Oiler Inc 701 S Seventh St Minneapolis 15 Minn
Poliak Corp Joseph 75 Freeport St Boston 22 Mass
Powercraft Corp 2515 S Wabash Ave Chicago 16 Ill "Powerflo"
Powerflo—See Powercraft Corp.
Preferred Electric & Wire Co., Bush Terminal Bldg. No. 8, **Brooklyn 32, N. Y.**
Rovtar Tool-Die Mfg Co., 2230 S Wood St., Chicago 8 Ill.
Sal Metal Products Co., 120 Freeman St., **Brooklyn 22, N. Y. "Sam-Sons."**
Sam-Sons—See Sal Metal Products Co.
Silver Beauty—See Triple-A Specialty Co
Triple-A-Specialty Co 2835 N Western Ave Chicago 18 Ill "Triple-A" "Silver Beauty"
Victor Instrument Mfg. Co., 33 W. 60th St New York 23, N. Y.
Wells Mfg Corp 12 S Brooke St Fond du Lac Wis
Wheel Parts & Mfg Co 352 Fourth Ave N Y 10 N Y "National"
Zim Mfg Co 3037 Carroll Ave Chicago 12 Ill

CASE-HARDENING—See Treating, Heat

CASE-HARDENING BOXES AND POTS—See Boxes and Pots, Annealing and Case Hardening

CASE-HARDENING COMPOUNDS—See Compounds, Case Hardening

CASE-HARDENING FURNACES—See Furnaces, Heat Treating

CASING, FLEXIBLE METALLIC—See Shafting, Flexible

CAST PHENOLIC PLASTICS—See Plastics—Cast (Phenolic and Resin)

CASTERS, Truck

Hamilton Caster & Mfg Co 1517 Dixie Highway Hamilton Ohio
Thomas Truck & Caster Co 931 Mississippi River Keokuk Iowa "Sturdy" "Super"

CASTING MACHINES, DIE—See Machines Die Casting

CASTINGS, Aircraft

Thompson Products Inc 2355 S Euclid Ave Cleveland 17 Ohio

CASTINGS, Aluminum

Alcoa—See Aluminum Co of America
Aluminum Co of America 1501 Alcoa Bldg Pittsburgh 19 Pa "Alcoa"; **"Lo-Ex"** "Lynite" (Piston)
Bohn Aluminum & Brass Corp 1400 Lafayette Bldg Detroit 26 Mich
CHF—See Chicago Hardware Foundry Co
Central Foundry Div General Motors Corp 37 Florence St Saginaw Mich
Chicago Hardware Foundry Co 2500 Commonwealth Ave North Chicago Ill "CHF"
Dayton Malleable Iron Co 3931 S Dixie Highway Kettering 39 Ohio
Eastern Malleable Iron Co Naugatuck Works 112 Bridge St Naugatuck Conn
Gillett & Eaton Inc 8th & Doughty Sts Lake City Minn (Also aluminum alloy and vanasil)
Hills-McCanna Co 4600 W Toughy Ave Chicago Ill
Indiana Foundry Corp Tenth & Liberty Sts Muncie Ind
Littlestown Hardware & Foundry Charles St Littlestown Pa
Lo-Ex—See Aluminum Co of America
Lynite—See Aluminum Co of America
Midwestern Magnesium Div Flint & Walling Mfg Co High & North Sts Kendallville Ind
Pittsburgh Brass Mfg Co 3155 Penn Ave Pittsburgh 1 Pa
Reynolds Metals Co 6601 Broad St Richmond 19 Va
Rolle Mfg Co Third St & Cannon Ave Lansdale Pa
Sterling Aluminum Products Inc 2600 N Third St St Charles Mo
Thompson Products Light Metals Div Thompson-Ramo Wooldridge Inc 2269 Ashland Rd Cleveland 3 Ohio
True Alloys Inc 284 S Summit St Detroit 9 Mich
Waukesha Foundry Co Lincoln Ave Waukesha Wis

CASTINGS, Brass and Bronze

Ampco Metal Inc 1737 S 38th St Milwaukee 46 Wis "Ampco Metal" (Aluminum bronze; "Ampcoloy" bronze)
Ampcoloy—See Ampco Metal Inc
Bearium Metals Corp Mill & Commercial Sts Rochester 14 N Y (Bronze)
CHF—See Chicago Hardware Foundry Co
Chicago Hardware Foundry Co 2500 Commonwealth Ave North Chicago Ill "CHF"
Link-Belt Co Dept 59-AIPG **Prudential** Plaza Chicago 1 Ill
Littlestown Hardware & Foundry Charles St Littlestown Pa
Mueller Brass Co 1925 Lapeer Ave Port Huron Mich "Streamline"
Pittsburgh Brass Mfg Co 3155 Penn Ave Pittsburgh 1 Pa
Scovill Mfg Co 99 Mill St Waterbury 20 Conn
Streamline—See Mueller Brass Co
True Alloys Inc 284 S Summit St Detroit 9 Mich
Waukesha Foundry Co Lincoln Ave Waukesha Wis

CASTINGS, Die

AC Spark Plug The Electronics Div of General Motors 1300 N Dort Highway Flint 2 Mich (Zinc)
Ainsworth-Precision Castings Co Div of Harsco Corp 3200 Guardian Bldg Detroit 26 Mich (Aluminum and zinc and magnesium)
Alcoa—See Aluminum Co. of America.
Alpha Industries Inc 615 Center St Logansport Ind (Aluminum)
Aluminum Co of America 1501 Alcoa Bldg Pittsburgh 19 Pa "Alcoa"
Auto-Lite—See Electric Auto-Lite Co Woodstock Div
Badger Die Casting Corp., 201 W. Oklahoma St., Milwaukee 7, Wis. (Zinc and aluminum.)
Benton Harbor Malleable Industries 171 Graham Ave Benton Harbor Mich (Cast zinc)
Brown-Lipe-Chapin Div of General Motors Corp Town Line Rd Syracuse N Y (Zinc)
Chicago Die Casting Mfg. Co., 2510 W. Monroe St., Chicago 12, Ill.
Conformatic—See Sterling Aluminum Products Inc
Congress Die Casting Div Tann Corp 3750 E Outer Drive Detroit Mich
Continental Die Casting Co 9615 Grinnell St Detroit 13 Mich (Zinc)
D-W—See Du-Wel Metal Products Inc
Daybro—See Dayton Die Casting Co.
Dayton Die Casting Co., 111 Front St., Dayton 2 Ohio "Daybro" (Zinc lead and aluminum.)
Doehler-Jarvis Div of National Lead Co Smead & Prospect Ave Toledo 1 O "Doler-Zink" "Doler-Mag" "Doler-Brass" "Do-Lite" "Doler-Alsiloy" (Aluminum, zinc, brass and magnesium)
Doler—See Doehler-Jarvis Div of National Lead Co
Do-Lite—See Doehler-Jarvis Div of National Lead Co
Dollin Corp., 604 S. 21st St., Irvington 11, N. J. (Zinc and aluminum.)
Douglas Co 620 12th Ave Minneapolis 4 Minn
Dow Chemical Co Midland Mich "Dowmetal" (Magnesium)
Dowmetal—See Dow Chemical Co
Dura Corp Dura Div 4500 Detroit Ave Toledo 12 Ohio
Du-Wel Metal Products Inc PO Box 307 Bangor Mich "D-W" (Zinc and aluminum)
Electric Auto-Lite Co Toledo 1 Ohio "Auto-Lite" (Zinc and aluminum)
Federal Die Casting Co 2222 Elston Ave Chicago 14 Ill
GRC—See Gries Reproducer Corp
Gries Reproducer Corp Beechwood Ave & Second St New Rochelle N Y "G R C" (Small zinc)
Hall Lamp Co., C. M., 1035 E. Hancock Ave., Detroit, Mich. (Zinc and aluminum.)
Hardy Mfg Corp W Pearl St Union City Ind (Zinc base plated)
Heick Die Casting Corp 6550 W Diversey Ave Chicago Ill (Zinc and aluminum)
Hoover Co North Canton Ohio (Aluminum and zinc)
Jacobs Co F L 1043 Spruce St Detroit 1 Mich (Zinc)
Light Metals Inc 1100 E 24th St Indianapolis 5 Ind "Ly-Mie" (Aluminum and magnesium)
Ly-Mie—See Light Metals Inc
Madison-Kipp Corp., 201 Waubesa St., Madison, Wis.
Magline Inc 952 Murray Rd Pinconning Mich **(Aluminum and magnesium)**
Milwaukee Die Casting Co 4148 N Holton St Milwaukee 12 Wis (Aluminum, lead, tin and zinc)
Monarch Aluminum Mfg Co 9205 Detroit Ave Cleveland 2 Ohio "Velvaglaze" (Aluminum and zinc)
Monarch Governor Co 2800 Tyler Rd Willow Run Mich
Motive Equipment Mfrs., Inc., 5253 W. Roosevelt Rd., Chicago 50, Ill.
Newton-New Haven Co., 680 Third Ave., West Haven 16, Conn.
Paragon Die Casting Co., 5851 Dickens Ave., Chicago 39, Ill. (Aluminum and zinc.)
Paramount Die Casting Co St Joseph 20 Mich (Aluminum and zinc)
Parker White-Metal Co., 23rd St. & Pennsylvania Ave., Erie, Pa. "Parker Erie." (Zinc, aluminum and brass.)
S—See Stewart Die Casting Div
St. Louis Diecasting Corp., 4528 Oleatha Ave., St. Louis 16, Mo. **(Aluminum and zinc.)**
Schultz Die Casting Co 1812 Clinton St Toledo Ohio (Zinc)
Standard Brass Corp 915 W Perry St Belvidere Ill
Stant Mfg. Co., 1620 Columbia St., Connersville Ind (Chrome plated)
Sterling Aluminum Products Inc 2600 N Third St St Charles Mo "Conformatic" **(Aluminum)**
Stewart Die-Casting Div of Stewart-Warner Corp 4535 Fullerton Ave Chicago 39 Ill **"S" (Zinc and aluminum)**
Thompson Products Light Metals Div Thompson-Ramo Wooldridge Inc 2269 Ashland Rd Cleveland 3 Ohio
Titan Metal Mfg Co Bellefonte Pa
Velvaglaze—See Monarch Aluminum Mfg Co

CASTINGS, Iron

(See also Rings, Piston [Castings for Same])

Advance Foundry Co 107 Seminary Ave Dayton 3 Ohio "Strenes Metal" (Gray)
Albion Malleable Iron Co Albion Mich (Malleable)
Alten Foundry & Machine Works Inc 226 W Wheeling St Lancaster 3 Ohio (Gray)
American Foundry Co 1100 S Tibbs Ave Indianapolis 41 Ind (Gray)
ArmaSteel—See Central Foundry Div General Motors Corp
Auto Specialties Mfg Co 643 Graves St St Joseph Mich (Malleable)
Badger Malleable & Mfg Co 223 N Chicago Ave South Milwaukee Wis (Malleable)
Bendix Lakeshore Div Bendix Aviation Corp Lake Shore Dr St Joseph Mich (Gray)

Benton Harbor Malleable Industries 171 Graham Ave Benton Harbor Mich (Malleable)
Burch Corp Thoman St Crestline Ohio (Gray)
CWC—See Campbell Wyant & Cannon Foundry Co
Campbell Wyant & Cannon Foundry Co Div of Textron Inc Muskegon Mich "CWC" (Gray)
Central Foundry Div General Motors Corp 37 Florence St Saginaw Mich (Gray and malleable; "ArmaSteel" pearlitic)
Chain Belt Co 4733 W Greenfield Ave Milwaukee 1 Wis (Gray and malleable)
Chicago Hardware Foundry Co 2500 Commonwealth Ave North Chicago Ill "CHF" (Gray)
Dayton Malleable Iron Co 3931 S Dixie Highway Kettering 39 Ohio (Gray and malleable)
Eastern Malleable Iron Co Naugatuck Works 112 Bridge St Naugatuck Conn (Standard and pearlitic)
Eaton Mfg Co Foundry Div 700 E Huron St Vassar Mich (Gray)
Engineering Casting Inc 405 S Linden St Marshall Mich
Erie Malleable Iron Co 609 W 12th St Erie Pa "Erie" (Malleable; "Ermak" "Ermalloy" "Z metal" pearlitic)
Ermak—See Erie Malleable Iron Co
Ermalloy—See Erie Malleable Iron Co
Ferro Cast Corp Chicago Dr Zeeland Mich
General Malleable Corp 706 E Main St Waukesha Wis (Gray)
General Metals Corp Foundry & Forge Div 550 85th Ave Oakland Calif (Malleable)
Giddings & Lewis Machine Tool Co Kaukauna Div Kaukauna Wis (Gray)
Gunite Foundries Corp 302 Peoples Ave Rockford Ill (Gray and ductile)
Indiana Foundry Corp Tenth & Liberty Sts Muncie Ind (Gray)
King Foundries Inc Elm Ave & Center St North Wales Pa (Gray)
Lake City Malleable Co 5060 Lakeside Ave Cleveland 14 Ohio "Shock Proof" (Malleable and pearlitic)
Lake Shore Inc Iron Mountain Mich (Gray)
Lakey Foundry Corp Foot of First St Muskegon Mich (Gray)
Lehigh Mfg Co Div of Lehigh Inc Lehigh Dr Easton 1 Pa (Gray and malleable)
Link-Belt Co Dept 59-A1PG Prudential Plaza Chicago 1 Ill (Gray, malleable and pearlitic)
Littlestown Hardware & Foundry Charles St Littlestown Pa (Gray)
Moline Malleable Iron Co St Charles Ill (Gray and malleable)
National Malleable & Steel Castings Co 10600 Quincy Ave Cleveland 6 Ohio (Malleable and pearlitic)
National Motor Castings Div Campbell Wyant & Cannon Foundry Co Div Textron Inc South Haven Mich (Gray for pistons gears cylinder heads and manifolds)
Sheppard Co R H 101 Philadelphia St Hanover Pa (Gray and ductile)
Shock Proof—See Lake City Malleable Co
Strenes Metal—See Advance Foundry Co
Texas Foundries Inc P O Box 180 Lufkin Texas (Malleable and pearlitic)
Union Metal Mfg Co 1432 Maple Ave N E Canton 5 Ohio (Gray)
Wheland Co Foundry Div 2800 S Broad St Chattanooga 2 Tenn (Gray)
White Machine Works 1401 Bellevue Ave Eau Claire Wis (Gray)
Z Metal—See Erie Malleable Iron Co

CASTINGS, Magnesium

Aluminum Co of America 1501 Alcoa Bldg Pittsburgh 19 Pa
Dow Chemical Co Midland Mich
Hills-McCanna Co 4600 W Toughy Ave Chicago Ill "McCannicore"
Light Metals, Inc., 1100 E. 24th St., Indianapolis 5, Ind. "Ly-Mie." (Sand, permanent mold and die.)
Ly-Mie—See Light Metals, Inc.
McCannicore—See Hills-McCanna Co
Magline Inc 952 Murray Rd Pinconning Mich (Sand and permanent mold)
Midwestern Magnesium Div Flint & Walling Mfg Co High & North Sts Kendallville Ind (Sand)
Rolle Electric Co Third St & Cannon Ave Lansdale Pa (Sand and permanent mold)
S—See Stewart Die-Casting Div of Stewart-Warner Corp
Stewart Die-Casting Div. of Stewart-Warner Corp., 4535 Fullerton Ave., Chicago 39, Ill. "S"
Well-Cast—See Wellman Bronze & Aluminum Co.
Wellman Bronze & Aluminum Co 12800 Shaker Blvd Cleveland 20 Ohio "Well-Cast"

CASTINGS, Monel Metal

Frontier Bronze Corp 4870 Packard Rd Niagara Falls N Y
Waukesha Foundry Co., Lincoln Ave., Waukesha, Wis.

CASTINGS, Nickel

Inco—See International Nickel Co
International Nickel Co., 67 Wall St., New York 5, N. Y. "Inco."
Waukesha Foundry Co., Lincoln Ave., Waukesha, Wis.

CASTINGS, Nickel-Chromium

Allegheny Ludlum Steel Corp 2020 Oliver Bldg Pittsburgh 22 Pa
Chromax—See Driver-Harris Co.
Cimet—See Driver-Harris Co.
Colmonoy—See Wall Colmonoy Co
Driver-Harris Co 201 Middlesex St Harrison N J "Nichrome" "Chromax" "Cimet"
Eastern Malleable Iron Co Naugatuck Works 112 Bridge St Naugatuck Conn
Inco—See International Nickel Co.
International Nickel Co., 67 Wall St., New York 5, N. Y. "Inco."
Nichrome—See Driver-Harris Co.
Wall Colmonoy Corp 19345 John R St Detroit 3 Mich "Colmonoy"

CASTINGS, Steel

Allegheny Ludlum Steel Corp., 2020 Oliver Bldg Pittsburgh 22 Pa "FCC" (Stainless and alloy Tool)
Almont Mfg. Co., Imlay City, Mich. (Semi.)
Auto Specialties Mfg Co 643 Graves St St Joseph Mich
Bethlehem Steel Co., Bethlehem, Pa.
Boker & Co H 101 Duane St New York 7 N Y "Kinite" (High carbon and high chrome)
CHF—See Chicago Hardware Foundry Co
Campbell Wyant & Cannon Foundry Co Muskegon Mich
Chain Belt Co 4733 W Greenfield Ave Milwaukee 1 Wis (Semi)
Chicago Hardware Foundry Co 2500 Commonwealth Ave North Chicago Ill "CHF" (Semi)
Chicago Malleable Castings Co 1225 W 120th St Chicago 43 Ill
Cincinnati Steel Castings Co., Spring Grove, Alabama & Bates Aves., Cincinnati, Ohio.
Clark Equipment Co Automotive Div Buchanan 2 Mich
Crobalt Inc 2800 S State St Ann Arbor Mich (Stainless high speed and carbon)
Darwin & Milner Inc 2345 St Clair Ave Cleveland 14 Ohio "Mineor" (Tool)
Dayton Malleable Iron Co 3931 S Dixie Highway Kettering 39 Ohio
Dayton Steel Foundry Co 1336 Miami Chapel Rd Dayton 1 Ohio
Dodge Steel Co 6501 State Rd Philadelphia 35 Pa (Carbon and alloy)
Eastern Malleable Iron Co Naugatuck Works 112 Bridge St Naugatuck Conn (Sand and stainless)
Electric Steel Castings Co 1045 Main St Speedway Indianapolis 24 Ind
Engineering Castings Inc 405 S Linden St Marshall Mich
FCC—See Allegheny Ludlum Steel Corp.
Falk Corp 3001 W Canal St Milwaukee Wis "Moly-Telastic"
General Alloys Co 387 W First St Boston 27 Mass (Stainless)
Gillet & Eaton Inc 8th & Doughty Sts Lake City Minn (Semi)
Grede Foundries, Inc., 1320 S. First St., Milwaukee 1, Wis. (Carbon, alloy, nitralloy and stainless.)
Gunite Foundries Corp 302 People Ave Rockford Ill (Electric)
Indiana Foundry Corp., Tenth & Liberty Sts., Muncie, Ind. (Semi.)
Jessop Steel Co Green St Washington Pa
Kay-Brunner Steel Products, Inc., 999 Meridian St., Alhambra, Cal.
King Foundries, Inc., Elm Ave. & Center St., North Wales, Pa. (Semi.)
Kinite—See H. Boker & Co.
LXS—See Link-Belt Co
Link-Belt Co Dept 59-AIPG Prudential Plaza Chicago 1 Ill "LXS" "Link-Belt"
Mackintosh-Hemphill Div E W Bliss Co 901 Bingham St S S Pittsburgh Pa
Maynard Electric Steel Casting Co., 2856 S. 27th St., Milwaukee 7, Wis.
Michigan-Standard Alloy Casting Co 1999 Guion St Detroit 7 Mich "Misco" (Stainless)
Mineor—See Darwin & Milner Inc
Misco—See Michigan-Standard Alloy Casting Co.
Moly-Telastic—See Falk Corp
Monroe Steel Castings Co 917 W Front St Monroe Mich
Mountain State Steel Foundries Inc Parkersburg W Va (Carbon and alloys)
National Malleable & Steel Castings Co 10600 Quincy Ave Cleveland 6 Ohio (Alloy)
Newark Malleable Iron Works, 357 Wilson Ave., Newark, N. J. (Semi.)
Racine Steel Castings Co., 1442 Forest St., Racine, Wis.
Superior Foundry Inc 3542 E 71st St Cleveland 5 Ohio (Semi)
Superior Steel & Malleable Castings Co., 309 Graham Ave Benton Harbor, Mich.
Texas Foundries Inc P O Box 180 Lufkin Tex
Union Mfg Co 296 Church St New Britain Conn (Semi)
Union Metal Mfg. Co., 1432 Maple Ave., N.E., Canton 5, Ohio. (Semi.)
Unitcast Corp Box 8 Station E Toledo 9 Ohio "Unitcastings" (Low alloy and carbon)
Waukesha Foundry Co., Lincoln Ave., Waukesha, Wis. (Stainless.)

CELLULOSE ACETATE MATERIALS—See Plastics—Materials

CEMENT, For Bonding Rubber to Metal, Wood, Etc.

(See also Adhesives)
Chrysler Corp Cycleweld Chemical Products Div 5437 W Jefferson Ave Trenton Mich "Cycleweld"
Cycleweld—See Chrysler Corp
du Pont de Nemours & Co E I Fabrics & Finishes Dept Fabrics Div Wilmington 98 Del "Fairprene" (For weatherstripping trim etc)
Fairprene—See E. I. du Pont de Nemours & Co
Firestone Tire & Rubber Co 1200 Firestone Parkway Akron Ohio
Gasgacinch—See Porter Mfg. & Supply Co.
Griptite—See St. Louis Rubber Cement Co.
Marbon Chemical Div Borg-Warner Corp Box 68 Washington W Va "Ty-Ply"
Porter Mfg & Supply Co 2836 Sunset Blvd Los Angeles 26 Calif "Gasgacinch"
St Louis Rubber Cement Co 514 Calvary Ave St Louis 15 Mo "Griptite"
Ty-Ply—See Marbon Chemical Div Borg-Warner Corp
United States Rubber Co., Rockefeller Center, 1230 Ave. of the Americas, New York 20, N. Y.

CEMENT, BRAKE BONDING—See Compounds, Brake Bonding

CEMENT, Disc Wheel Abrasive

Kindt-Collins Co., 12651 Elmwood Ave. Cleveland 11, Ohio. "Master."
Master—See Kindt-Collins Co.
Mid-West Abrasive Co 510 S Washington St., Owosso, Mich.
Stevens Inc Frederic B 1800 18th St Detroit 16 Mich

CEMENT, Leather

Albeco—See American Leather Belting Co
American Leather Belting Co 1455 W Congress St Chicago Ill "Albeco" "American"
Graton & Knight Co., 356 Franklin St., Worcester 4, Mass. "Neptune," "Royal Worcester."
Neptune—See Graton & Knight Co.
Rhoads & Son J E 2100 W 11th St Wilmington 99 Del
Royal Worcester—See Graton & Knight Co.

CEMENT, Resin Base

Permafuse Corp 675 Main St Westbury N Y
Raybestos Div of Raybestos-Manhattan Inc 75 E Main St Stratford 2 Conn

CEMENT, Rubber (Liquid)

Baldwin Rubber Co., 366 S. Boulevard, E., Pontiac, Mich.
Bell Co 411 N Wolcott Ave Chicago 22 Ill "Flare"
Bondrite—See U B S Chemical Corp
Buckeye Rubber Products Inc 637 N Jackson St Lima Ohio "Weltrled"
Chem—See Patch Rubber Co
Cohrlastic—See Connecticut Hard Rubber Co
Connecticut Hard Rubber Co 407 East St New Haven 9 Conn "Cohrlastic" (Silicone)
Durkee-Atwood Co., 215 Seventh St., N. E., Minneapolis 13, Minn.
Duro—See Woodhill Chemical Sales Corp
Firestone Tire & Rubber Co 1200 Firestone Parkway Akron Ohio

CEMENT, Rubber (Liquid)—continued

Flare—See Bell Co.
Flex-O-Fix—See Pyroll Co
Goodrich Industrial Products Co B F 500 S Main St Akron 18 Ohio
Goodyear Tire & Rubber Co 1144 E Market St Akron 16 Ohio "Pliobond"
Gross Mfg. Co., 1711 California St., Monrovia, Calif.
Hollingshead Corp R M 840 Cooper St Camden N J
Johns-Manville Dutch Brand Div 7800 Woodlawn Ave Chicago 19 Ill
Loxite—See Xylos Rubber Co
Magic Iron Cement Co 5403 Bower Ave Cleveland 27 Ohio
Miller Tires a Div of B F Goodrich Co 500 S Main St Akron Ohio
Moore & Co., Samuel, Mantua, Ohio. "Rub-Bub."
Patch Rubber Co P O Box 933 Akron 9 Ohio "Chem"
Permatex Co 300 Broadway Huntington Station N Y
Pliobond—See Goodyear Tire & Rubber Co
Pyroll Co 122 N Main St La Crosse Wis "Flex-O-Fix"
Rub-Bub—See Samuel Moore & Co.
Sauereisen Cements Co Sharpsburgh Sta Pittsburgh 15 Pa
Stay-Tite Products Co 9400 Steinway Ave Cleveland 4 Ohio
Sure-Rite—See Warehouse Dist Co
U B S Chemical Corp 491 Main St Cambridge Mass "Bondrite"
United States Rubber Co., Rockefeller Center, 1230 Ave. of the Americas, New York 20, N. Y.
Universal Chemical Div R M Hollingshead Corp 840 Cooper St Camden 2 N J
Warehouse Distributing Co 3810 N 19th St Philadelphia 40 Pa "Sure-Rite"
Weltfied—See Buckeye Rubber Products Inc
Western States Mfg Co 811 Main St Sioux City Ia "Western Weld"
Woodhill Chemical Sales Corp 1390 E 34th St Cleveland 14 Ohio "Duro"
Xylos Rubber Co 1200 Firestone Parkway Akron 1 Ohio "Loxite"

CENTER DRIVE FACING LATHES—See Lathes, Center Drive Facing

CENTER GAGES—See Gages, Center

CENTERING MACHINES—See Machines Centering

CENTERING REELS (FOR PRESSES)—See Reels, Centering (For Presses)

CENTERLESS GRINDERS—See Machines, Grinding (Centerless)

CENTERS, Bench

Acme Industrial Co 200 N Laflin St Chicago 7 Ill
Barber-Colman Co., 1300 Rock St., Rockford, Ill.
Brown & Sharpe Mfg. Co., 235 Promenade St., Providence, R. I.
Sundstrand American Broach Div of Sundstrand Corp 415 W Huron St Ann Arbor Mich
Sundstrand Machine Tool Div of Sundstrand Corp Belvidere Ill
Swanson-Erie Corp 814 E 8th St Erie Pa
Taft-Peirce Mfg. Co., 32 Mechanic Ave., Woonsocket, R. I.

CENTERS, INDEX—See Heads, Dividing

CENTERS, Lathe and Grinder

Ace-Sycamore Inc 482 DeKalb Ave Sycamore Ill (Lathe)
Arrow Tool & Reamer Co 711 Stephenson Highway Troy Mich (Live)
Chicago-Latrobe 426 W Ontario St Chicago 10 Ill (Lathe)
Cleveland Twist Drill Co., 1242 E. 49th St., Cleveland 14, Ohio
Eco—See Royal Products
Empire—See Royal Products
Ideal Industries Inc 1014 Park Ave Sycamore Ill (Live)
Industrial Diamond Co 2392 Wolcott Ave Ferndale 20 Mich
J & S Tool Co 87 Dorsa Ave Livingston N J (Live)
Kennametal, Inc Lloyd Ave Latrobe Pa (Cemented carbide)
Metal Carbides Corp 107 E Indianola St Youngstown 7 Ohio "Talide"
Monarch—See Royal Products
Morse Twist Drill & Machine Co 163 Pleasant St New Bedford Mass
Regent—See Royal Products
Reltool Corp 4540 W Burnham St Milwaukee 46 Wis (Lathe)
Royal Products 88 Union St Mineola L I N Y "Eco" "Empire" "Monarch" "Regal" "Regent" (Live)
Scully-Jones & Co 1977 S Rockwell St Chicago 8 Ill (Live)
South Bend Lathe Works 425 E Madison St South Bend 22 Ind (Lathe)
Standard Tool Co 3950 Chester Ave Cleveland 14 Ohio (Lathe)
Sundstrand American Broach Div of Sundstrand Corp 415 W Huron St Ann Arbor Mich
Sundstrand Machine Tool Div of Sundstrand Corp Belvidere Ill
TCT—See Tungsten-Carbide Tool Co
Talide—See Metal Carbides Corp
Tungsten-Carbide Tool Co 26250 W 7 Mile Rd Detroit 40 Mich "TCT"
Universal Engineering Co., Frankenmuth, Mich
W-S—See Wendt-Sonis Co
Wendt-Sonis Co Tenth & Collier Sts Hannibal Mo "W-S" (Carbide tipped)
Whitman & Barnes Div of United Greenfield Corp 40085 Plymouth Rd Plymouth Mich
Willey's Carbide Tool Co., 1340 W. Vernon Highway, Detroit 1, Mich.

CENTRAL CONTROL PANELS—See Panels, Central Control

CHAIN BLOCKS—See Block or Hoists, Chain

CHAIN DRIVES—See Chains, Silent (Industrial); also Chains, Timing (Auto)

CHAIN HOISTS—See Blocks or Hoists, Chain

CHAIN TIGHTENERS—See Tighteners, Chain (Industrial)

CHAINS, Block

Boston Gear Works Div Murray Corp 14 Hayward St Quincy 71 Mass
Chain Belt Co 4733 W Greenfield Ave Milwaukee 1 Wis "Rex"
Diamond Chain Co., 402 Kentucky Ave., Indianapolis 7, Ind.
Link-Belt Co Dept 59-AIPG Prudential Plaza Chicago 1 Ill
Rex—See Chain Belt Co.
Whitney Chain Co 237 Hamilton St Hartford 2 Conn

CHAINS, Conveyor

Badger Malleable & Mfg. Co., 223 N. Chicago Ave., South Milwaukee, Wis.
Bartlett & Snow Co., C. O., 6200 Harvard Ave., Cleveland 5, Ohio.
Chain Belt Co 4733 W Greenfield Ave Milwaukee 1 Wis "Rex"
Fairfield Engrg Co 324 Barnhart St Marion Ohio
Jeffrey Mfg Co 846 N 4th St Columbus 16 Ohio
Joy Mfg Co 333 Oliver Bldg Pittsburgh 22 Pa
Lebanon Drop Forge Co Avon Pa
Link-Belt Co Dept 59-AIPG Prudential Plaza Chicago 1 Ill "Promal"
MHS—See Mechanical Handling Systems Inc
Mechanical Handling Systems Inc 4600 Nancy Ave., Detroit 12 Mich "MHS"
Palmer-Bee Co 2990 Opdyke Rd Bloomfield Hills Mich
Promal—See Link-Belt Co
Rex—See Chain Belt Co
Stephens-Adamson Mfg Co 150 Ridgeway St Aurora Ill
Transue & Williams Steel Forging Corp 562 Ely St Alliance Ohio
Union Chain & Mfg Co Sandusky Ohio
Webb Co Jervis B 8925 Alpine Ave Detroit 4 Mich
Webster Mfg. Inc., Tiffin 16, Ohio. "Z."
Whitney Chain Co 237 Hamilton St Hartford 2 Conn
Z—See Webster Mfg. Inc.

CHAINS, Roller (Industrial)

Bartlett & Snow Co C O 6200 Harvard Ave Cleveland 5 Ohio
Chain Belt Co 4733 W Greenfield Ave Milwaukee 1 Wis "Rex"
Diamond Chain Co., 402 Kentucky Ave., Indianapolis 7, Ind
Link-Belt Co Dept 59-AIPG Prudential Plaza Chicago 1 Ill
Morse Chain Co Ithaca N Y
Palmer-Bee Co 2990 Opdyke Rd Bloomfield Hills Mich
Rex—See Chain Belt Co
Union Chain & Mfg Co Sandusky Ohio
Whitney Chain Co 237 Hamilton St Hartford 2 Conn

CHAINS, SILENT (Auto)—See Chains, Timing (Auto)

CHAINS, Silent (Industrial)

Link-Belt Co Dept 59-AIPG Prudential Plaza Chicago 1 Ill "Silverstreak"
Morse Chain Co Ithaca N Y
Silverstreak—See Link-Belt Co.

CHAINS, Timing (Auto)

Chain Belt Co 4733 W Greenfield Ave Milwaukee 1 Wis "Duckworth"
Cloyes Gear & Products Inc 17214 Roseland Rd NE Cleveland 12 Ohio
D & B Mfg Co 2312 S Indiana Ave Chicago 16 Ill
Diamond Chain Co., 402 Kentucky Ave., Indianapolis 7, Ind.
Duckworth—See Chain Belt Co
Hoof Products Co., 6543 S. Laramie Ave., Chicago 38, Ill.
Lempco Products Inc 5490 Dunham Rd Bedford Ohio
Link-Belt Co Dept 59-AIPG Prudential Plaza Chicago 1 Ill "Silverstreak"
Morse Chain Co Ithaca N Y
Perfection Gear Co 152nd St & Vincennes Ave Harvey Ill
Ramsey Chain Co., Troy Rd., Albany, N. Y
Republic Gear Co 2197 Beaufait Ave Detroit 7 Mich
Silverstreak—See Link-Belt Co
Whitney Chain Co 237 Hamilton St Hartford 2 Conn

CHAINS and SPROCKETS, Power Transmission

Bartlett & Snow Co., C. O., 6200 Harvard Ave., Cleveland 5, Ohio.
Chain Belt Co 4733 W Greenfield Ave Milwaukee 1 Wis "Rex"
Cullman Wheel Co., 1344 Altgeld St., Chicago 14, Ill.
Diamond Chain Co., 402 Kentucky Ave., Indianapolis 7, Ind.
Hy-Vo—See Morse Chain Co
Jeffrey Mfg Co 846 N 4th St Columbus 16 Ohio
Link-Belt Co Dept. 59-AIPG Prudential Plaza Chicago 1 Ill
Morse Chain Co Ithaca N Y "Hy-Vo"
Philadelphia Gear Works, Erie Ave. & G St., Philadelphia 34, Pa.
Ramsey Chain Co., Troy Rd., Albany, N. Y.
Rex—See Chain Belt Co.
Union Chain & Mfg Co Sandusky Ohio
Webster Mfg. Inc., Tiffin 16, Ohio.
Whitney Chain Co 237 Hamilton St Hartford Conn

CHAIRS, BUS—See Seats, Bus

CHAMFERING MACHINES—See Machines, Gear Tooth Chamfering and Finishing

CHANNELS, Glass (Felt)

Brawley Felt Co., T. R., 272 20th St., Brooklyn, N. Y.
Detroit Gasket & Mfg Co 12640 Burt Rd Detroit 23 Mich
Felt Products Mfg Co 7450 N McCormick Blvd Skokie Ill
Felters Co., 210 South St., Boston 11, Mass.
Hamilton-Wade Co., 52 Haverhill St., Brockton, Mass. (Felt covered.)
Standard Products Co., 2130 W. 110th St., Cleveland 2, Ohio.
Western Felt Works 4021 W Ogden Ave Chicago 23, Ill.

CHANNELS, Glass (Metal)

Bailey Co 21 Water St Amesbury Mass (Felt lined; sole distributors to original equipment, D A Greene Sales Co W Maple Rd Birmingham Mich)
Dee Gee—See Detroit Gasket & Mfg. Co.
Detroit Gasket & Mfg. Co., 12640 Burt Rd., Detroit 23, Mich. "Dee Gee."
Excel Corp 1120 N Main St Elkhart Ind
Jacobs Co., F. L., 1043 Spruce St., Detroit 1 Mich
Lange Machine Works, Henry G 156 N May St Chicago 7 Ill
Mitchell Specialty Div Industrial Enterprises Inc Edmund & Shelmire Sts Philadelphia 36 Pa
Schlegel Mfg Co 1555 Jefferson Rd Rochester 23 N Y (With pile linings)
Standard Products Co., 2130 W. 110th St., Cleveland 2, Ohio. "Steechan." (Rubber covered.)
Steechan—See Standard Products Co.

CHANNELS, Glass (Rubber)

Auto Vehicle Parts Co 1032 Saratoga St Newport 6 Ky "Au-ve-Co"

Au-ve-Co—See Auto Vehicle Parts Co
Bowling Green Rubber Co 4143 Monroe St Toledo 13 Ohio
Buckeye Rubber Products Inc 637 N Jackson St Lima Ohio
Champ-Items Inc 6191 Maple Ave St Louis 14 Mo
Continental Rubber Works 1946 Liberty St Erie Pa
Cooper Tire & Rubber Co., Lima & Western Aves., Findlay, Ohio.
Detroit Gasket & Mfg. Co., 12640 Burt Rd., Detroit 23, Mich.
General Tire & Rubber Co Industrial Products Div Wabash Ind
Goodrich Industrial Products Co B F 500 S Main St Akron 18 Ohio
Industrial Rubber Goods Co., St. Joseph, Mich.
Johnson Rubber Co Middlefield Ohio
Lamacho—See Henry G. Lange Machine Works.
Lange Machine Works, Henry G 156 N May St Chicago 7 Ill "Lamacho"
Mechanical Rubber Products Co., Warwick, N. Y.
Republic Rubber Div Lee Rubber & Tire Corp Albert St Youngstown 1 Ohio
Roberts Toledo Rubber Co 4143 Monroe St Toledo 13 Ohio
Standard Products Co 2130 W 110th St Cleveland 2 Ohio
United States Rubber Co., Rockefeller Center, 1230 Ave. of the Americas, New York 20, N. Y.

CHARGERS, Battery (Industrial Truck)

Berg-Gibson Mfg Co 817 E 17th St Kansas City 8 Mo
Christie Electric Corp 3410 W 67th St Los Angeles 43 Calif
Djeco Div of Djordjevic Engrg Co 1933 N Damem St Chicago 47 Ill
Electric Products Co 1725 Clarkstone Rd Cleveland 12 Ohio
Hertner Electric Co 12690 Elmwood Ave Cleveland 11 Ohio
Motor Generator Corp Troy Ohio

CHARGING SYSTEMS RECTIFIERS (Auto) —See Rectifiers, AC-DC Charging System (Auto)

CHECK VALVES—See Valves, Check

CHECKS, Door (Car and Truck)

Cleveland—See H K Porter Co
Firestone Tire & Rubber Co 1200 Firestone Parkway Akron Ohio
Graton & Knight Co 356 Franklin St Worcester 4 Mass (Car)
Hope Webbing Co P O Box 1495 Providence 1 R I (Fabric car)
Porter Co H K Forge & Fittings Div Cleveland Forge Works 3200 E 79th St Cleveland 4 Ohio "Cleveland" (Truck)
Standard Products Co 2130 W 110th St Cleveland 2 Ohio
Sutherland Leather & Felt Co., 743 Beaubien St., Detroit 26, Mich. (Car.)
Tompkins H S 188 Chambers St N Y 7 N Y (Car)
United States Rubber Co., Rockefeller Center, 1230 Ave. of the Americas, New York 20, N. Y. (Car.)

CHEMICAL FIRE TANKS—See Tanks Chemical Fire

CHEMICALS, Electroplating

Belmont Smelting & Refining Works, 326a Belmont Ave., Brooklyn, N. Y. (Cadmium, zinc, etc.)
Calcine Chemical Co., P. O. Box 61, H. C. Station, Jersey City, N. J.
Dow Chemical Co Midland Mich "Dowfax" "Versene"
Dowfax—See Dow Chemical Co
du Pont de Nemours & Co E I Electrochemicals Dept Wilmington 98 Del
Hanson-Van Winkle-Munning Co Matawan N J "H-V W-M"
Harshaw Chemical Co 1945 E 97th St Cleveland 6 Ohio
M & T—See Metal & Thermit Corp
Metal & Thermit Corp 100 E 42nd St N Y 17 N Y "M & T"
Stevens Inc Frederic B 1800 18th St Detroit 16 Mich
Versene—See Dow Chemical Co

CHEMICALS, METAL CLEANING — See Cleaners, Metal

CHEMICALS, Pickle Control

Amchem Products Inc Brookside Ave & Reading RR Ambler Pa "Rodine"
Oakite Products Inc 19 Rector St N Y N Y
Rodine—See Amchem Products Inc

CHEMICALS, RUST PREVENTING AND REMOVING—See Compounds, Rust Preventing and Removing

CHILLING MACHINES, INDUSTRIAL — See Machines, Chilling (Industrial)

CHIP SEPARATORS—See Separators, Chip

CHOKE ADAPTERS, HAND—See Adapters, Choke (Hand)

CHOKE CONTROLS (AUTOMATIC) — See Controls, Carburetor Choke (Automatic)

CHROME PLATING ADDITIVE—See Additives, Chrome Plating

CHROMIUM ALLOY—See Alloys, Chromium

CHROMIUM PLATING — See Plating, Chromium

CHUCK GAGES—See Gages, Chuck (Tire Inflating)

CHUCKING GRINDERS — See Machines, Grinding (Chucking)

CHUCKING LATHES—See Lathes, Chucking

CHUCKING MACHINES — See Machines, Chucking (Multiple Spindle)

CHUCKS, Air (Machinery)

Ajust-Tru—See Buck Tool Co
Buck Tool Co 2015 Schippers Lane Kalamazoo Mich "Ajust-Tru"
Cushman Chuck Co 806 Windsor St Hartford 2 Conn
Erickson Tool Co 34350 Solon Rd Solon Ohio
Logan—See Logansport Machine Co.
Logansport Machine Co 806 Center Ave Logansport Ind "Logan"
S-P Mfg Corp 30201 Aurora Rd Solon Ohio
Skinner Chuck Co 95 Edgewood Ave New Britain Conn
Union Mfg Co 296 Church St New Britain Conn

CHUCKS, Collet

Ajust-Tru—See Buck Tool Co
Brown & Sharpe Mfg. Co., 235 Promenade St., Providence, R. I.
Buck Tool Co 2015 Schippers Lane Kalamazoo Mich "Ajust-Tru"
Cushman Chuck Co., 806 Windsor St., Hartford 2, Conn.
Erickson Tool Co 34350 Solon Rd Solon Ohio
Hardinge Bros Inc 1418 College Ave Elmira N Y
Index Machinery Co 4907 Foley Rd Cincinnati 38 Ohio
J & L Modern-Magic—See Jones & Lamson Machine Co
Jacobs Mfg Co West Hartford 10 Conn
Jones & Lamson Machine Co 523 Clinton St Springfield Vt "J & L Modern-Magic"
Pratt & Whitney Co Charter Oak Blvd West Hartford 1 Conn
Procunier Safety Chuck Co., 18 S. Clinton St., Chicago 6, Ill.
Rivett 20 Riverview Rd Brighton Boston Mass
S-P Mfg Co 30201 Aurora Rd Solon Ohio
Scully-Jones & Co 1977 S Rockwell St Chicago 8 Ill
Seibert & Sons Inc 1008 E 24th St Chenoa Ill
South Bend Lathe Works 425 E Madison St South Bend 22 Ind
Sutton Tool Co 306 Magnolia St Sturgis Mich
Universal Engineering Co 126 N Main St Frankenmuth Mich
Zagar Tool Inc 24000 Lakeland Blvd Cleveland 23 Ohio

CHUCKS, Drill

Do All Co 254 N Laurel Ave Des Plaines Ill
Errington Mechanical Laboratory Inc 24 Norwood Ave Stapleton S I 4 N Y
G M Co Mfg Co 13-08 43rd Ave Long Island City L I N Y
Jacobs Mfg Co West Hartford 10 Conn
Kett Tool Co 5055 Madison Rd Cincinnati 27 Ohio
Lee Co., K. O., Congress at First Ave., S. E., Aberdeen, S. D.
McCrosky Tool Corp., S. Main St., Meadville, Pa. "Wizard."
Millers Falls Co., Greenfield, Mass.
Oneida Machine Tool Corp 2600 E Walnut St Oneida N Y "Westcott"
Pioneer Aluminum Inc 5251 W Imperial Highway Los Angeles 45 Calif
Procunier Safety Chuck Co., 18 S. Clinton St., Chicago 6, Ill.
Scully-Jones & Co 1977 S Rockwell St Chicago Ill
South Bend Lathe Works 425 E Madison St South Bend 22 Ind
Supreme Products Corp 2222 S Calumet Ave Chicago 16 Ill
Waukesha Cutting Tools Inc Midland & Pearl Sts Waukesha Wis
Westcott—See Oneida Machine Tool Corp
Wizard—See McCrosky Tool Corp.
Yankee Tools Inc Div Stanley Tools American St & Lehigh Ave Philadelphia 33 Pa

CHUCKS, Gear Holding

Garrison Machine Works, Inc., 515 Bannock St., Dayton 4, Ohio. (Pitch line control for spur, helical, internal, bevel, herringbone and cluster gears.)
Woodworth Co., N. A., 1300 E. Nine Mile Rd., Detroit 20, Mich.

CHUCKS, Lathe

Ajust-Tru—See Buck Tool Co
Barker—See Thomas Hoist Co.
Buck Tool Co 2015 Schippers Lane Kalamazoo Mich "Ajust-Tru"
Cushman Chuck Co., 806 Windsor St., Hartford 2, Conn.
Dexter—See Leavitt Machine Co
Empire—See Royal Products
Gisholt Machine Co 1307 E Washington Ave Madison 10 Wis
Jacobs Mfg Co West Hartford 10 Conn
Leavitt Machine Co., 10 E. River St., Orange, N. J. "Dexter."
Lee Co., K. O., Congress at First Ave., S. E., Aberdeen, S. D.
Oneida Machine Tool Corp 2600 E Walnut St Oneida N Y "Westcott"
Pratt & Whitney Co Charter Oak Blvd West Hartford 1 Conn
Royal Oak Tool & Machine Co 29800 Stephenson Highway Royal Oak Mich "Royal Oak"
Royal Products 88 Union St Mineola L I N Y "Empire" "Royal"
Skinner Chuck Co 95 Edgewood Ave New Britain Conn
South Bend Lathe Works 425 E Madison St South Bend 22, Ind
Thomas Hoist Co., 20 S. Hoyne Ave., Chicago 12, Ill. "Barker."
Union Mfg. Co., 296 Church St., New Britain, Conn.
Warner & Swasey Co 5701 Carnegie Ave Cleveland 3 Ohio
Westcott—See Oneida Machine Tool Corp

CHUCKS, Magnetic

Brown & Sharpe Mfg. Co., 235 Promenade St., Providence, R. I.
DoAll Co., 254 N. Laurel Ave., Des Plaines, Ill. (Electro-magnetic.)
Power-Grip—See Sundstrand Machine Tool Div
Sundstrand Machine Tool Div Sundstrand Corp Belvidere Ill "Power-Grip"
Superpower—See Taft-Peirce Mfg Co
Taft-Peirce Mfg Co 32 Mechanic Ave Woonsocket R I "Superpower" (Electric and permanent)

CHUCKS, Milling Machine

Ajust-Tru—See Buck Tool Co
Brown & Sharpe Mfg. Co., 235 Promenade St., Providence, R. I.
Buck Tool Co 2015 Schippers Lane Kalamazoo Mich "Ajust-Tru"
Skinner Chuck Co 95 Edgewood Ave New Britain Conn
Union Mfg Co 296 Church St New Britain Conn

CHUCKS, PNEUMATIC — See Chucks, Air Machinery)

CHUCKS, Tap

Apex Machine & Tool Co., 1025 Patterson Blvd., Dayton, Ohio
Erickson Tool Co 34350 Solon Rd Solon Ohio
Errington Mechanical Laboratory Inc 24 Norwood Ave Stapleton S I 4 N Y
Jacobs Mfg Co West Hartford 10 Conn
McCrosky Tool Corp., S. Main St., Meadville, Pa.
Procunier Safety Chuck Co., 18 S. Clinton St., Chicago 6, Ill.
Roddick Tool Co 1023 Pauline St Anaheim Calif
Scully-Jones & Co 1977 S Rockwell St Chicago 8 Ill

CHUTES

Alvey Conveyor Mfg Co 9301 Olive St Rd St Louis 24 Mo
Chain Belt Co., 1733 W. Bruce St., Milwaukee 4, Wis. "Rex."

CHUTES—continued

Haiss—See Pettibone Mulliken Corp
K & B—See Kirk & Blum Mfg. Co.
Kirk & Blum Mfg Co 3120 Forrer St Cincinnati 9 Ohio "K & B"
Link-Belt Co Dept 39-A1PG Prudential Plaza Chicago 1 Ill (Steel)
Logan Co Cabel St Louisville 16 Ky
Mathews Conveyor Co 102 Tenth St Elkwood City Pa
Pettibone Mulliken Corp Pettibone New York Div 1212 E Dominick Ave Rome N Y "Haiss"
Rex—See Chain Belt Co
Webster Mfg Co Tiffin 16 Ohio

CIGAR OR CIGARETTE LIGHTERS—See Lighters, Cigar or Cigarette (Electric)

CIRCLE CUTTERS—See Cutters, Washer and Gasket

CIRCUIT BREAKERS—See Breakers, Circuit

CIRCUIT TESTING INSTRUMENTS—See Instruments, Electrical Circuit Testing

CIRCULAR SAW BLADES—See Blades, Saw (Circular)

CIRCULAR SAWING MACHINES—See Machines, Sawing (Electric)

CLAD METAL STRIP STEEL—See Steel, Clad Metal (Strip)

CLAMPS, Battery Hold Down

American Motor Products Co Fond du Lac Wis
Berkson Products Inc 217 N Desplaines St Chicago 6 Ill
Bishman Mfg Co Route 2 Osseo 26 Minn.
Champ-Items 6191 Maple Ave St Louis 14 Mo
Cuyahoga Products Corp 10252 Berea Rd Cleveland 2 Ohio
Kravex Mfg Corp 634 Prospect Pl Brooklyn N Y
Lightnin—See R. J. Loock & Co.
Loock & Co., R. J., 343 N. Gay St., Baltimore, Md. "Lightnin."
Murray Corp E Joppa Rd Towson 4 Md
National—See Wheel Parts & Mfg. Co.
Sal Metal Products Co., 120 Freeman St., Brooklyn 22, N. Y. "Sam-Sons."
Sam-Sons—See Sal Metal Products Co.
Silver Beauty—See Triple-A Specialty Co
Triple-A-Specialty Co 2835 N Western Ave Chicago 18 Ill "Triple A" "Silver Beauty"
Wells Mfg Corp 12 S Brooke St Fond du Lac Wis
Wheel Parts & Mfg. Co., 352 Fourth Ave., New York 10, N. Y. "National."
Whitaker Cable Corp., 1301 Burlington Ave., North Kansas City 16, Mo.

CLAMPS, Belt

Rhoads & Sons J E 2100 W 11th St Wilmington 99 Del
Webster Mfg. Inc., Tiffin 16, Ohio.

CLAMPS, BODY BUILDERS'—See Clamps, Woodworkers'

CLAMPS, Hose

(For radiator hose or water heater)

Aero-Seal—See Breeze Corps Inc
Airline—See Ideal Corp
American Stamping Co 310 E Burnham St Battle Creek Mich
Anchor Coupling Co 342 N 4th St Libertyville Ill
Attwood Brass Works Inc 303 Douglas St N W Grand Rapids Mich
Autolock—See Ideal Corp
Breeze Corps Inc 700 Liberty Ave Union N J "Aero-Seal"
Brewer-Titchener Corp., 115 Pt. Watson St. Cortland, N. Y.
C F & I-Wickwire—See Colorado Fuuel & Iron Corp
Champ-Items Inc 6191 Maple Ave St Louis 14 Mo
Colorado Fuel & Iron Corp Wickwire Spencer Steel Div 575 Madison Ave New York 22 N Y "C F & I-Wickwire" (Heater)
Corbin Hose Clamp Div American Hardware Corp 102 Washington St New Britain Conn
Cuyahoga Products Corp 10252 Berea Rd Cleveland 2 Ohio
Diamond G—See George K. Garrett Co.
Eastman Mfg Co 1440 N 24th St Manitowoc Wis "Inter-Lock"
Eaton Mfg Co Reliance Div 25 Charles Ave S E Massillon O
Everhot Products Co., 2001 W. Carroll Ave., Chicago 12, Ill. "Evertite." (Radiator; "Everhot" heater.)
Evertite—See Everhot Products Co.
Garrett Co George K Torresdale Ave at Tolbut St Philadelphia 36 Pa
Gold Seal—See Murray Corp
Hansen Mfg. Co., 4031 W. 150th St., Cleveland 35 Ohio
Hunt & Son, C. B., 1913 E. Pershing St., Salem, Ohio. "Quick as Wink."
Hy-Gear—See Ideal Corp
Ideal Corp 435 Liberty Ave Brooklyn 7 N Y "Hy-Gear" "Ideal" "Snaplock" "Airline" "Wraplock" "Autolock"
Ingersoll-Rand Co., 11 Broadway, New York, N. Y.
Inter-Lock—See Eastman Mfg Co
Lightnin—See R. J. Loock & Co.
Loock & Co., R. J., 343 N. Gay St., Baltimore, Ind. "Lightnin."
Marman Div Aeroquip Corp 11214 Exposition Blvd Los Angeles 64 Calif
Moore & Co., Samuel, Mantua, Ohio. "Rub-Bub."
Mulconroy Co., 54th & Jefferson Sts., Philadelphia, Pa.
Murray Corp E Joppa Rd Towson 4 Md "Gold Seal" "Universal" "Wrap-Seal" "Wire Grip"
Noc-Out—See Wittek Mfg. Co.
Perfect Parts Inc 43 W 23rd St New York 10 N Y
Pollak Corp Joseph 75 Freeport St Boston 22 Mass
Quick as Wink—See C. B. Hunt & Son.
Rub-Bub—See Samuel Moore & Co.
Schrader's Son, Div. of Scovill Mfg. Co., A., 470 Vanderbilt Ave., Brooklyn 38, N. Y. "Trutest."
Sherman Mfg. Co., H. B., 22 Barney St., Battle Creek, Mich.
Snaplock—See Ideal Corp
Speed Clamps—See Tinnerman Products, Inc.
Strap-Tite—See Wittek Mfg Co
Sure-Tite—See Wittek Mfg Co
Tinnerman Products Inc 8700 Brookpark Rd Cleveland Ohio "Speed Clamps"
Trutest—See A Schrader's Son Div of Scovill Mfg Co
Turner Mfg. Co., 404 W. Superior St., Kokomo, Ind.
Universal—See Murray Corp
Victor Instrument Mfg. Co., 33 W. 60th St., New York 23, N. Y.
Wire Grip—See Murray Corp.
Wittek Mfg Co 4305 W 24th Place Chicago 23 Ill "Noc-Out" "Sure-Tite" "Strap-Tite"
Wraplock—See Ideal Corp
Wrap-Seal—See Murray Corp

CLAMPS, Machinists'

Adjustable Clamp Co., 425 N. Ashland Ave., Chicago 22, Ill. "Jorgensen," "Pony."
Armstrong Bros. Tool Co., 5200 W. Armstrong Ave., Chicago 46 Ill
Billings & Spencer Co., 1 Laurel St., Hartford 1, Conn.
Cincinnati Tool Co 1967 Waverly Ave Cincinnati 12 Ohio "Hargrave"
Detroit Stamping Co 350 Midland Ave Detroit 3 Mich
Grand Specialties Co 3113 W Grand Ave Chicago 22, Ill.
Hargrave—See Cincinnati Tool Co
J & S Tool Co 87 Dorsa Ave Livingston N J
Jorgensen—See Adjustable Clamp Co.
Pony—See Adjustable Clamp Co.
Rivett Inc 20 Riverview Rd Brighton Boston 35 Mass
Taylor Mfg. Co., James L., 108 Parker Ave., Poughkeepsie, N. Y.
Union Tool Co., 48 E. River St., Orange, Mass.
Williams & Co., J. H., 400 Vulcan St., Buffalo 7, N. Y.

CLAMPS, Muffler

Clamps Inc Div of Riker Mfg Inc 4901 Stickney Ave Toledo 12 Ohio
Highland Machine Co 3215 Superior Ave Cleveland 14 Ohio "Highlander"

CLAMPS, Toggle

(For holding production articles in jig or fixture)

Danly Machine Specialties Inc 2100 S Laramie Ave Chicago 50 Ill "Danly Kwik-Klamp"
De-Sta-Co—See Detroit Stamping Co.
Detroit Stamping Co 350 Midland Ave Detroit 3 Mich "De-Sta-Co"
Knu-Sine—See Lapeer Mfg. Co.
Lapeer Mfg. Co., 3056 Davison Rd., Lapeer Mich. "Knu-Sine."
Wolverine Tool Co., 1480 E. Woodbridge St. Detroit 7, Mich.

CLAMPS, Welders'

Adjustable Clamp Co 425 N Ashland Ave Chicago 22 Ill "Jorgensen"
Air Reduction Sales Co Socony-Mobil Bldg 150 E 42 St New York 17 N Y
Aronson Machine Co Arcade N Y (Magnetic)
Chicago Boiler Co., 1965 Clybourn Ave., Chicago 14, Ill. "Red Head."
Cincinnati Tool Co 1967 Waverly Ave Cincinnati 12 Ohio "Hargrave" (Oxy-acetylene)
Detroit Stamping Co 350 Midland Ave Detroit 3 Mich (Oxy-acetylene and arc)
Grand Specialties Co 3113 W Grand Ave Chicago 22 Ill
Hargrave—See Cincinnati Tool Co.
Jorgensen—See Adjustable Clamp Co.
Knu-Vise—See Lapeer Mfg Co
Lapeer Mfg Co 3056 Davison Rd Lapeer Mich "Knu-Vise"
Littlestown Hardware & Foundry Charles St Littlestown Pa
Peterson Mfg. Co., De Witt, Nebr. "Vise-Grip."
Red Head—See Chicago Boiler Co.
Tweco Products Co Boston at Mosley Sts Wichita 1 Kansas
Twistite Co 300 E Fulton St Grand Rapids 2 Mich
Vise-Grip—See Peterson Mfg. Co.
Williams & Co., J. H., 400 Vulcan St., Buffalo 7, N. Y.

CLAMPS, Woodworkers'

Adjustable Clamp Co., 425 N. Ashland Ave., Chicago 22, Ill. "Pony," "Jorgensen."
Barcy-Nicholson Co., 8100 Joy Rd., Detroit 4, Mich. "Lightning Grip."
Billings & Spencer Co., 1 Laurel St., Hartford 1, Conn.
Black Bros. Co., 800 Third St., Mendota, Ill.
Cincinnati Tool Co 1967 Waverly Ave Cincinnati 12 Ohio "Hargrave"
Hargrave—See Cincinnati Tool Co.
Jorgensen—See Adjustable Clamp Co.
Lightning Grip—See Barcy-Nicholson Co.
Pony—See Adjustable Clamp Co.
Taylor Mfg. Co., James L., 108 Parker Ave., Poughkeepsie, N. Y.

CLEANER PARTS, WINDSHIELD—See Parts, Windshield Wiper

CLEANERS, Air Carburetor (Auto and Truck)

AC Spark Plug The Electronics Div of General Motors 1300 N Dort Highway Flint 2 Mich
Badger Mfg Corp 1501 W Polk St Chicago 7 Ill
Cyclone Filter Corp 4401 W North Ave Chicago 39 Ill
Dollinger Corp 20 Centre Pk Rochester 3 N Y "Staynew"
Donaldson Co 666 Pelham Blvd St Paul 14 Minn
Farr Co 2301 E Rosecrans Ave El Segundo Calif "Roto-Pamic"
Fram Corp Pawtucket Ave Providence 16 R I
Lee Filter Corp 41 River Rd North Arlington N J
Purolator Products Inc 970 New Brunswick Ave Rahway N J
Purolator Products Inc Wayne Div Wayne Mich
Roto-Pamic—See Farr Co
Staynew—See Dollinger Corp
United Specialties Div Industrial Enterprises Inc 9705 Cottage Grove Ave Chicago 28 Ill (Oil)
Vortex Co., 121 S. Alexander Ave., Claremont, Cal. (Oil bath.)

CLEANERS, Air (Crankcase Breather)

AC Spark Plug The Electronics Div of General Motors 1300 N Dort Highway Flint 2 Mich
Fram Corp Pawtucket Ave Providence 16 R I
Purolator Products Inc Wayne Div Wayne Mich

CLEANERS, Air (Machinery)

(For installation on stationary engines, compressors, etc.)

(See also Filters, Air [Machinery])

Air-Maze Corp 25000 Miles Rd Cleveland 28 Ohio
Aridifier—See Logan Engrg Co

CMD—See Chicago Mfg & Dist Co
Chicago Mfg & Distributing Co 1928 W 46th St Chicago 9 Ill "CMD"
Lincoln Engrg Co 4010 Goodfellow Blvd St Louis 20 Mo
Logan Engrg Co 4901 W Lawrence Ave Chicago 30 Ill "Aridifier"
Norgren Co., C. A., 222 Santa Fe Drive, Denver 9, Colo.
Super Kleen—See Wilkerson Corp
Whirl-Flo—See Wilkerson Corp
Wilkerson Corp 1601 W Girard Ave Englewood "Super Kleen" "Whirl-Flo"

CLEANERS, Metal

(Compound for cleaning and preparing surfaces for painting; see also Solvents, Oil, Carbon and Grease Removing)

Acme Quality Paints Inc 8250 St Aubin Ave Detroit 11 Mich
Aldridge Industrial Oils Inc 3401 W 140th St Cleveland 11 Ohio "Beacon Brand"
Alka-Deox—See Enthone Inc
Alkalume—See Northwest Chemical Co.
Alumon—See Enthone Inc
Amchem Products Inc Brookside Ave & Reading RR Ambler Pa "Deoxidine" "Ridoline" "Duridine" & "Ridosol"
Anti-Rust Corp., 315 E. 91st St., New York, N. Y. "Rozene."
Beacon Brand—See Aldridge Industrial Oils Inc
Blast—See Du Bois Co
Bruce Products Corp 500 N West St Howell Mich "Bruko"
Bruko—See Bruce Products Corp.
Brulin & Co 2939 Columbia Ave Indianapolis 7 Ind "Brulin's Rust Scale Solvent"
Buchanan Chemical Co C G 3112 Portsmouth Ave Cincinnati 8 Ohio "Bu-Co"
Bu-Co—See Buchanan Chemical Co.
Calcine Chemical Co., P. O. Box 61, H. C Station, Jersey City, N. J. "Calsol."
Calsol—See Calcine Chemical Co.
Cerfak—See E. F. Houghton & Co.
Colonial Alloys Co Ridge Ave & Crawford St Philadelphia 29 Pa "Saf-T-Chlor"
Cooper Co., D. C., 1467 S. Michigan Ave., Chicago 5, Ill. "D. C."
Cowles Chemical Co 7016 Euclid Ave Cleveland 3 Ohio
CrysCoat—See Oakite Products Inc
D. C.—See D. C. Cooper Co.
Dearborn Chemical Co Merchandise Mart Plaza Chicago 54 Ill
Detrex Chemical Industries Inc Box 501 Detroit 32 Mich "Detrex" "Perm-A-Clor" "Triad"
Deoxidine—See Amchem Products Inc
Ditzler Color Div., Pittsburgh Plate Glass Co., 8000 W. Chicago Ave., Detroit 4, Mich.
Diversey Corp 1820 Roscoe St Chicago 13 Ill
Dow Chemical Co Midland Mich
Du Bois Co., 1120 W. Front St., Cincinnati 3, Ohio. "Dyna-Sprex," "Sprex AC," "Blast."
Duclean—See E. I. du Pont de Nemours & Co.
du Pont de Nemours & Co., E. I., Electrochemicals Dept., Wilmington 98, Del.
du Pont de Nemours & Co., E I Industrial & Biochemicals Dept., Wilmington 98 Del "Duclean" (Alkaline and acid)
Duridine—See American Chemical Paint Co
Dyna Sprex—See Du Bois Co.
Enthol—See Enthone Inc
Enthone Inc 442 Elm St New Haven 11 Conn "Alka-Deox" "Alumon" "Enthol" "Etchalume"
Echalume—See Enthone Inc
Expray—See Wyandotte Chemicals Corp
FO—See Fine Organics Inc
Farrelloy Co 1243 N 26th St Philadelphia 21 Pa "Farrellok"
Fine Organics Inc 211 E 19th St N Y 3 N Y "FO"
Gerlach Co., E. A., P. O. Box 133, Eddington, Bucks County, Pa. "Soax."
Graymills Corp 3705 N Lincoln Ave Chicago 13 Ill
Hanson-Van Winkle-Munning Co Matawan N J "Matawan"
Homestead Valve Mfg Co Hypressure Jenny Div Narrows Run Rd Coraopolis Pa "Hypressure Jenny"
Hooker Chemical Corp 27 Iroquois St Niagara Falls N Y "Virgo" "Hooker" "Nialk"
Houghton & Co E F 303 W Lehigh Ave Philadelphia 33 Pa "Houghton Clean" "Cerfak"
Hypressure Jenny—See Homestead Valve Co., Hypressure Jenny Div.
Industrial Chemical Products Co 3769 Bellevue Ave Detroit 7 Mich "Industro"
Industro—See Industrial Chemical Products Co
Kelite Corp 1250 N Main St Los Angeles Calif
Klem Chemicals Inc 14401 Lanson St Dearborn Mich "Klem" "Minit Kote"
Krembs & Co 669 W Ohio St Chicago 10 Ill "Removene"
Krome Kote—See Wolfe-Kote Co
Lake Erie Mfg Co 192 Chicago St Buffalo N Y "Lemco"
Lavo Co of America 1243 N 5th St Milwaukee 12 Wis "Mirifik"
Lectrite—See Wyandotte Chemicals Corp
Lemco—See Lake Erie Mfg Co
Lorco—See Lord Chemical Co
Lord Chemical Co 2068 S Queen St York Pa "Lorco"
Magnus Chemical Co., 185 South Ave., Garwood, N. J.
Magnuson Products Corp 50 Court St Brooklyn 1 N Y "Permag"
Manpro Corp 1360 Hilton Rd Ferndale 20 Mich
Matawan—See Hanson-Van Winkle-Munning Co.
Maxamp—See Wyandotte Chemicals Corp
Metso—See Philadelphia Quartz Co
Minit Kote—See Klem Chemicals, Inc.
Mirifik—See Lavo Co. of America.
Mitchell-Bradford Chemical Co Wampus Lane Milford Conn
Nialk—See Hooker Chemical Corp
Northwest Chemical Co 9310 Roselawn Ave Detroit 4 Mich "Alkalume" "Northwest"
Oakite Products Inc 19 Rector St N Y N Y "Oakite Chromi Coat" "Oakite Cryscoat"
Panther Chemical Co P O Box 711 Fort Worth Tex
Parco—See Parker Rust Proof Co.
Parker Rust Proof Co 2177 E Milwaukee Ave Detroit 11 Mich "Parco" "Parcolene"
Penn Drake—See Pennsylvania Refining Co.
Pennsalt Chemicals Corp 3 Penn Center Philadelphia 2 Pa
Pennsylvania Refining Co., Butler Savings & Trust Bldg., Butler, Pa. "Penn Drake."
Perm-A-Clor—See Detrex Chemical Industries Inc
Permag—See Magnuson Products Corp
Philadelphia Quartz Co 1146 Public Ledger Bldg Sixth & Chestnut Sts Philadelphia 6 Pa "Metso"
Ransohoff Inc N N Fifth St & Ford Blvd Hamilton Ohio (Ultrasonic)
Removene—See Krembs & Co
Ridoline—See Amchem Products Inc
Ridosol—See Amchem Products Inc
Rossaul Co., 170 Fifth Ave., New York 10, N. Y. "Rossaul No. 57."
Rozene—See Anti-Rust Corp.
Saf-T-Chlor—See Colonial Alloys Co
Soax—See E. A. Gerlach Co.
Sprex AC—See Du Bois Co
Sun Oil Co 1608 Walnut St Philadelphia 3 Pa "Sunoco Spirits"
Triad—See Detroit Chemical Industries Inc
Turco Products Inc 24600 S Main St North Wilmington Calif
Virgo—See Hooker Chemical Corp
Wilbur & Williams Co 650 Pleasant St Norwood Mass
Wolfe-Kote Co 1225 N 8th St Sheboygan Wis "Krome Kote"
Wyandotte Chemicals Corp J B Ford Div Wyandotte Mich "Expray" "Lectrite" "Maxamp"

CLEANERS, OIL—See Filters, Fuel (For Diesel Engines); also Filters, Cutting Oil; also Filters, Oil (For Attaching to Engines)

CLEANERS, Vacuum (Industrial)

Ace-Sycamore Inc 482 DeKalb Ave Sycamore Ill
Akro-Mils Inc 820 E Market St Akron 5 Ohio "Wonder Air Tank"
Black & Decker Mfg Co 629 Pennsylvania Ave Towson 4 Md
Breuer Electric Mfg. Co., 5100 Ravenswood Ave., Chicago 40, Ill. "Tornado."
Cadillac—See Clements Mfg Co
Choldun Mfg Corp 331 East St New Haven Conn "Power-Vac"
Clarke Floor Machine Co 30 E Clay Ave Muskegon Mich
Clements Mfg Co 6650 S Narragansett Ave Chicago 38 Ill "Cadillac"
Doyle Vacuum Cleaner Co., 225 Stevens St., SW Grand Rapids 2 Mich "Doyle Vac-It"
Empire Chemical Products Co 10 Longworth St Newark 2 N J "Nu-Vac" "Stubby"
Hild Floor Machine Co 1217 W Washington Blvd Chicago 7 Ill
Ideal Industries, Inc., 1014 Park Ave., Sycamore, Ill.
Invincible Vacuum Cleaner Mfg. Co., 14th & Davis Sts., Dover, Ohio.
Kent Co 338 Canal St Rome N Y
Martindale Electric Co., 1340 Hird Ave., Cleveland 7, Ohio.
Multi-Clean Products Inc 2277 Ford Parkway St Paul 16 Minn
National Super Service Co., 1946 N. 13th St., Toledo, Ohio. "Super."
Nu-Vac—See Empire Chemical Products Co
Power-Vac—See Choldun Mfg Corp
Premier Co 755 Woodlawn Ave St Paul 16 Minn
Pullman Vacuum Cleaner Corp 25 Buick St Boston 15 Mass
Spencer Turbine Co., 486 New Park Ave., Hartford 6, Conn.
Stubby—See Empire Chemical Products Co
Super—See National Super Service Co.
Thompson & Sons Inc 8130 W 47th St Lyons Ill "Thompson Mobile-Vac"
Tornado—See Breuer Electric Mfg. Co.
Wonder Air Tank—See Akro-Mils Inc

CLEANERS, WINDSHIELD — See Wipers, Windshield

CLEATS, Fibre Wiring

Continental-Diamond Fibre Corp Newark 2 Del "Diamond"
Diamond—See Continental-Diamond Fibre Corp
National Vulcanized Fibre Co., Maryland Ave. & Beech St., Wilmington 99, Del.
Wilmington Fibre Specialty Co New Castle Del

CLEVIS PINS—See Pins, Yoke

CLIP BOLTS—See Bolts, Clip

CLIPPERS, Bolt and Rivet

(Hand Power)

HKP—See H. K. Porter, Inc.
Handklip—See H. K. Porter, Inc.
Hypowa—See H. K. Porter, Inc.
New Easy—See H. K. Porter, Inc.
O. K.—See H. K. Porter, Inc.
Porter, Inc., H. K., 74 Foley St., Somerville 43, Mass. "Handklip," "Hypowa," "New Easy," "O.K.," "HKP."
Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis.

CLIPS, BATTERY HOLD DOWN — See Clamps, Battery Hold Down

CLIPS, Cable and Tubing (Auto)

Akron-Selle Co., High & Chestnut Sts., Akron 11, Ohio.
Arco—See Automotive Rubber Co.
Automotive Rubber Co 12584 Beech Rd Detroit 39 Mich "Arco"
Barcy-Nicholson Co 8100 Joy Rd Detroit 4 Mich
Brewer-Titchener Corp., 115 Pt. Watson St., Cortland, N. Y.
Carr Fastener Co 31 Ames St Cambridge Mass "Dot"
Cuyahoga Products Corp 10252 Berea Rd Cleveland 2 Ohio
Dot—See Carr Fastener Co.
Fastex Div of Illinois Tool Works 195 Algonquin Rd Des Plaines Ill
Gits Bros Mfg Co 1846 S Kilborn Ave Chicago 23 Ill
Hill Nut Co., 2620 W. Flournoy St., Chicago 12, Ill.
Kickhaefer Mfg Co 903 S Second St Milwaukee 4 Wis
Prestole Corp 1351 Miami St Toledo 5 Ohio
Speed Clips—See Tinnerman Products Inc
Tinnerman Products Inc 8700 Brookpark Rd Cleveland 1 Ohio "Speed Clips"
United-Carr Fastener Corp Statler Office Bldg Boston 16 Mass
Whitehead Stamping Co., 1661 W. Lafayette Blvd., Detroit 16, Mich.
Zierick Mfg Corp Beechwood & Rockdale Aves New Rochelle N Y

CLIPS, Electrical Test (Industrial)

(For testing electrical circuits at any point without removing insulation from wires or disconnecting)

Frankel Connector 27 Vestry St N Y 13 N Y
Mueller Electric Co 1557A 31st St Cleveland 14 Ohio "Universal"
Universal—See Mueller Electric Co.
Victor Instrument Mfg. Co., 33 W. 60th St., New York 23, N. Y.

CLIPS, Fuse (Industrial)

Hill Nut Co., 2620 W. Flournoy St., Chicago 12 Ill
Ideal Industries Inc 1014 Park Ave Sycamore Ill

CLIPS, Spring (Auto)

(See also Forgings)

Brown Corp., 213 Bellevue Ave., Syracuse, N. Y.

CLIPS, Spring (Auto)—continued

Champ-Items, Inc., 6191 Maple Ave., St. Louis, Mo.
Cuyahoga Products Corp 10252 Berea Rd Cleveland 2 Ohio
Davis Auto Equipment Co 119 N 3rd St Reading Pa
Handy Button Machine Co 2255 S Rockwell St Chicago 8 Ill (Upholstery)
Hendrix—See Service Spring Co.
Highland Mfg Co 3215 Superior Ave Cleveland 14 Ohio "Highlander"
Prestole Corp 1351 Miami St Toledo 5 Ohio
Queen City Forging Co., Tennyson & Dumont Sts., Cincinnati 26, Ohio.
Service Spring Co Box 638 Indianapolis 6 Ind "Hendrix"
Spring Div Borg-Warner Corp Madison St & 25th Ave Bellwood Ill
Triangle Auto Spring Corp Maloney Rd & B & O RR Dubois Pa
Wells Mfg Corp 12 S Brooke St Fond du Lac Wis

CLIPS, TRIMMERS—See Fasteners, Molding and Trim

CLOCKS (Auto)

Auto Clock Div Hamilton Watch Co Lancaster Pa "Hamilton" (Sole distributors to automotive industry Getsinger-Fox Co 1417 Fisher Bldg Detroit 2 Mich)
Borg Clock Div Amphenol-Borg Electronics Corp 902 Wisconsin St Delavan Wis (Electric and hand wound)
Elgin National Watch Co 107 National St Elgin Ill
Hamilton—See Auto Clock Div Hamilton Watch Co
King-Seeley Corp 315 S First St Ann Arbor Mich "Motochron"
Motochron—See King-Seeley Corp
Sylvania Electric Products Inc Lighting Div 60 Boston St Salem Mass
Westclox Div of General Time Corp La Salle Ill (Electric and spring wound)

CLOSURES, ADJUSTABLE (Plug Type)—See Plugs, Testing (Adjustable)

CLOTH, Abrasive

(See also Paper, Abrasive)

Adalox—See Behr-Manning Corp.
Aloxite—See Carborundum Co.
Behr-Manning Corp 1960 Howe St Troy N Y "Adalox" "Durite" "Metalite" "Resinall" "Resinized" "Screen-Bak" "Speed-Wet" (Also garnet cloth)
Carborundum Co., Buffalo Ave., Niagara Falls, N. Y. "Aloxite."
Clover Mfg Co 327 Main St Norwalk Conn
Crystal Bay—See Minnesota Mining & Mfg Co
Durite—See Behr-Manning Corp.
Metalite—See Behr-Manning Corp.
Mid-West Abrasive Co., 510 S. Washington St., Owosso, Mich
Minnesota Mining & Mfg Co 900 Bush Ave St Paul 6 Minn "3-M" "Crystal Bay" "Three-M-Ite" "Wetordry"
Resinall—See Behr-Manning Corp
Resinized—See Behr-Manning Corp
Screen-Bak—See Behr-Manning Co
Speed-Wet—See Behr-Manning Corp
3-M—See Minnesota Mining & Mfg Co
Three-M-Ite—See Minnesota Mining & Mfg Co.
Wetordry—See Minnesota Mining & Mfg Co

CLOTH, COATED FABRIC—See Fabrics Coated Cloth

CLOTH, PLASTIC—See Fabric, Plastic

CLOTH, SEAT COVER—See Fabrics, Seat Cover; also Fabric, Plastic (Upholstery and Seat Cover)

CLOTH, UPHOLSTERY—See Fabric, Coated Cloth (For Seat Covers, Tops and Upholstery, etc.); also Fabrics, Upholstery (Woven Cloth)

CLOTH, Wire

(For use in strainers, horn screen, etc.)

Audubon Wire Cloth Corp., Richmond St. & Castor Ave., Philadelphia 34, Pa.
Buffalo Wire Works Co., 506 Terrace, Buffalo 2, N. Y.
Cambridge Wire Cloth Co Cambridge Md
Chase Brass & Copper Co., 236 Grand St., Waterbury 20, Conn. (Brass and copper.)
Cleveland Wire Cloth & Mfg Co 3573 E 78th St Cleveland 5 Ohio (Steel-aluminum, Monel metal, silver, stainless steel, etc)
Cyclone Fence Dept American Steel & Wire Div United States Steel Corp P O Box 260 Waukegan Ill "Red Tag"
Darby & Son Inc Edw J 1517 Germantown Ave Philadelphia 22 Pa "Pennsylvania"
Jelliff Mfg. Corp., C. O., Pequot Rd., Southport, Conn.
Michigan Wire Cloth Co 2100 Howard St Detroit 16 Mich
Newark Wire Cloth Co., 351 Verona Ave., Newark 4, N. J.
Pennsylvania—See Edw J Darby & Son Inc
Red Tag—See Cyclone Fence Dept
Reynolds Wire Div National-Standard Co 809 E 2nd St Dixon Ill (Steel brass bronze copper aluminum nickel stainless steel monel tinned and galvanized)
Rolock, Inc., 1350 Kings Highway, Fairfield, Conn.
Smith Co., John P., 433 Chapel St., New Haven 7, Conn.
Tyler Co., W. S., 3615 Superior Ave., Cleveland 14, Ohio.

CLOTH CUTTING MACHINES—See Machines, Fabric Cutting

CLOTH DRILLING MACHINES—See Machines, Fabric Drilling

CLUTCH PARTS—See Bearings, Clutch Throwout; Controls, Clutch; Corks, Brake and Clutch Insert; Discs, Clutch; Facings, Clutch; Parts, Clutch; Plates, Clutch (Pressure); also Shafts, Transmission & Clutch

CLUTCHES, Auto, Truck and Bus

Accurate Re-Nu Clutch Div of Mar Pro Inc 168 N Michigan Ave Chicago 1 Ill
Auburn—See Dana Corp
B & B—See Borg & Beck Div., Borg-Warner Corp.
Borg & Beck Div., Borg-Warner Corp., 6558 S. Menard Ave., Chicago 38, Ill. "B. & B."
Dana Corp 4100 Bennett Rd Toledo 1 Ohio "Auburn" & "Spicer Brown-Lipe" (Truck and bus)
Dynamatic—See Eaton Mfg Co Dynamatic Div
Eaton Mfg Co Dynamatic Div 3207 14th Ave Kenosha Wis "Dynamatic" (Eddy-current)
Inland Mfg. Div. General Motors Corp., 2727 Inland Ave., Dayton 1, Ohio.
Lipe-Rollway Corp 806 Emerson Ave Syracuse 1 N Y (Heavy duty)
Long Mfg. Div. Borg-Warner Corp., 12501 Desmidre St. Detroit Mich
Morlife—See Rockford Clutch Div
Rockford Clutch Div Borg-Warner Corp 1319 18th Ave Rockford Ill "Morlife" "Rockford"
Spicer Brown-Lipe—See Dana Corp

CLUTCHES, Auto (Fan and Accessory Drive)

Schwitzer Corp 1125 Massachusetts Ave Indianapolis 7 Ind (Fan)
Warner Electric Brake & Clutch Co Beloit Wis

CLUTCHES, Industrial

Air-Grip—See Dodge Mfg Corp
Al-Fin Div Fairchild Engine & Airplane Corp West Babylon L I N Y (Semi-finished eddy current)
Auburn—See Dana Corp
Ausco—See Auto Specialties Mfg Co
Automatic Steel Products, Inc., Mercury Clutch Div., 1201 Camden Ave., S.W., Canton 6, Ohio. "Mercury."
Auto Specialties Mfg Co 643 Graves St St Joseph Mich "Ausco"
Ball-Lok—See V-Belt Clutch Co
Brown Engineering Co 131 N 3rd St Reading Pa "Mule Pull"
C-H—See Cutler-Hammer, Inc
Centri-Disc—See United Specialties Div
Cleveland Punch & Shear Works Co., 3917 St. Clair Ave., Cleveland, Ohio.
Cutler-Hammer, Inc., 362 N. 12th St., Milwaukee 1, Wis. "C-H." (Magnetic.)
Dana Corp 4100 Bennett Rd Toledo 1 Ohio "Auburn" & "Spicer-Brown-Lipe"
Diamond D—See Dodge Mfg Corp
Dodge Mfg Corp 500 Main St Mishawaka Ind "Air-Grip" "Diamond D" "Rolling Grip"
Dynamatic—See Eaton Mfg Co
Dyna-TorQ—See Eaton Mfg Co
Eaton Mfg Co Dynamatic Div 3122 14th Ave Kenosha Wis "Dynamatic" (Eddy-current; "Dyna-TorQ" magnetic friction)
Federal Machine & Welder Co 1745 Overland Ave Warren Ohio "Warco"
Federal Seal & Gear Corp 522 N Krueger St Kendallville Ind "Kendallmatic"
Hilliard Corp 113 W 4th St Elmira N Y
Hydra-Disc—See Industrial Metal Products Corp
Industrial Clutch Corp., 515 Frederick St., Waukesha, Wis. (Air, mechanical and hydraulic.)
Industrial Metal Products Corp 3417 W St Joseph St Lansing 1 Mich "Hydra-Disc" (Hydraulic clutch-brake)
Johnson Machine Co Carlyle Main St Manchester Conn "Maxitorq"
Kendallmatic—See Federal Seal & Gear Corp
Link-Belt Co Dept 59-AIPG Prudential Plaza Chicago 1 Ill
Magneclutches—See Vickers Inc
Maxitorq—See Carlyle Johnson Machine Co
Mercury—See Automatic Steel Products, Inc., Mercury Clutch Div.
Metalwash Machinery Corp 901 North Ave Elizabeth 4 N J
Minster Machine Co 240 W Fifth St Minster Ohio
Mule-Pull—See Brown Engineering Co.
Pullmore—See Rockford Clutch Div., Borg-Warner Corp.
Rockford Clutch Div., Borg-Warner Corp., 1319 18th Ave., Rockford, Ill. "Rockford." (Over-center; "Pullmore" sole distributors, Morse Chain Co Ithaca N Y)
Rolling Grip—See Dodge Mfg Corp
Salsbury Corp., 1161 E. Florence Ave., Los Angeles 1, Calif.
Spicer-Brown-Lipe—See Dana Corp
Stearns Electric Corp 120 N Broadway Milwaukee 2 Wis (Electro-magnetic)
Twin Disc Clutch Co., 1328 Racine St., Racine, Wis.
United Specialties Div Industrial Enterprises Inc 9705 Cottage Grove Ave Chicago 28 Ill "Centri-Disc"
V-Belt Clutch Co 418 N Western Ave Los Angeles 4 Calif "Ball-Lok"
Vickers Inc Electric Products Div 1815 Locust St St Louis 3 Mo "Magneclutches" (Magnetic particle)
Warco—See Federal Machine & Welder Co
Warner Electric Brake & Clutch Co Beloit Wis (Electric; also clutch-brake)

CLUTCHES, Overrunning

Formsprag Co 23601 Hoover Rd Warren Mich
Hilliard Corp., 113 W. Fourth St., Elmira, N. Y.
Spring Div Borg-Warner Corp Madison St & 25th Ave Bellwood Ill (Sprag type)

COATINGS, Protective (Metal Parts)

(Transparent chemical coating to protect metal parts from corrosion)

Acra Seal—See Radiator Specialty Co
Allied Research Products Inc 4004 E Monument St Baltimore 5 Md "Irilac"
Alodine—See Amchem Products Inc
Amchem Products Inc Brookside Ave & Reading R R Ambler Pa "Alodine" "Granodine" "Thermoil-Granodine" "Duridine"
Arco—See Automotive Rubber Co.
Auburn Plastics Inc McMaster St Auburn N Y
Automotive Rubber Co 12584 Beech Rd Detroit 39 Mich "Arco"
Cocoon—See R. M. Hollingshead Corp.
Daubert Chemical Co 4700 S Central Ave Chicago 38 Ill
Dennis Chemical Co 2701 Papin St St Louis 3 Mo "Perma-Skin"
Detrex Chemical Industries Inc Box 501 Detroit 32 Mich (Phosphate types)
Duridine—See Amchem Products Inc
Granodine—See Amchem Products Inc
Hollingshead Corp R W 840 Cooper St Camden N J "Cocoon"
Industrial Metal Protectives Inc 401 Homestead Ave Dayton 8 Ohio "Zinciate"
Irilac—See Allied Research Products Inc
Krylon Inc Ford & Washington Sts Norristown Pa "Krylon Rust Veto"
Lion Oil Co Lion Oil Bldg El Dorado Ark "Nokorode"
Magic Iron Cement Co 5403 Bower Ave Cleveland 27 Ohio
Minnesota Mining & Mfg Co 900 Bush Ave St Paul 6 Minn "3M"
Nokorode—See Lion Oil Co
Oakite Products Inc 19 Rector St N Y N Y
Pennsalt Chemicals Corp 3 Penn Center Philadelphia 2 Pa "Thick-Coat"
Perma-Skin—See Dennis Chemical Co
Polymer Corp 2120 Fairmont Ave Reading Pa "Whirlclad"
Radiator Specialty Co 1400 W Independence Blvd Charlotte 1 N C "Acra Seal"
Regal Air Corp 500 5th Ave New York 18 N Y "Re Glo"
Re Glo—See Regal Air Corp
Servwell Products Co 6519 Euclid Ave Cleveland 3 Ohio
Thermoil-Granodine—See Amchem Products Inc
Thick-Coat—See Pennsalt Chemicals Corp
3M—See Minnesota Mining & Mfg Co
Whirlclad—See Polymer Corp

Witco Chemical Co., 75 E. Wacker Drive Chicago 1, Ill.
Woodhill Chemical Sales Corp 1390 E 34th St Cleveland 14 Ohio
Zincilate—See Industrial Metal Protectives Inc

COATINGS, UNDERBODY — See Insulation, Heat and Sound (Liquid)

COAT RAILS—See Rails, Robe or Coat

COBALT, CHROMIUM & TUNGSTEN CUTTING ALLOYS—See Alloys, Cutting

COCKS, Pet (Drain, Gasoline, Air, etc.)

(See also Plugs, Crankcase Drain; also Valves, Air Tank Drain (Automatic)

Acme Air Appliance Co 205 Newman St Hackensack N J (Drain)
Anderson Brass Co 100 S Campbell Ave Detroit 9 Mich "Kantleak"
Bendix-Westinghouse Automotive Air Brake Co 901 Cleveland Rd Elyria Ohio (Drain)
Commonwealth Brass Corp 5835 Commonwealth Ave Detroit 8 Mich (Drain)
Consolidated Brass Co 2019 N Tryon Ave Charlotte 6 N C
Dole Valve Co 6201 Oakton St Morton Grove Ill
Edelmann & Co., E., 2332 Logan Blvd., Chicago 47, Ill.
Excello Accessories Mfrs Inc 81 Madison Ave Hempstead N Y
Imperial Brass Mfg Co 6300 W Howard St Chicago 31 Ill
Kantleak—See Anderson Brass Co
Lightnin—See R J Loock & Co
Lincoln Brass Works, 2067 12th St., Detroit 16, Mich.
Loock & Co R J 343 N Gay St Baltimore Md "Lightnin"
Lunkenheimer Co Beekman St & Waverly Ave Cincinnati 14 Ohio
Naco—See R F Nauman Mfg Corp
Nauman Mfg Corp R F 222 Chicago St Buffalo 4 N Y "Naco" (For Chevrolet Pontiac cars etc)
Republic Gear Co 2197 Beaufort Ave Detroit 7 Mich
Velvac Inc 3534 W Pierce St Milwaukee 15 Wis
Weatherhead Co Ft Wayne Div 128 W Washington Blvd Ft Wayne Ind

COCKS, RESERVE FUEL—See Valves, Two-Way, Three-Way and Four-Way (Tank)

COILING MACHINES, SPRING — See Machines, Coiling (Spring)

COIL LOCKS—See Locks, Ignition

COIL PARTS—See Parts, Magneto, Coil and Distributor

COIL STOCK STRAIGHTENERS — See Straighteners, Coil Stock

COILS, Field

Arrow Armature Co., 15 Fordham Road, Boston 34 Mass
General Armature & Mfg Co Box 370 Lock Haven Pa
International Products & Mfg Co 850 N Ogden Ave Chicago 22 Ill
Machined Parts Corp 6209 Hamilton Ave Detroit 2 Mich "Mapco"
Mapco—See Machined Parts Corp
Preferred Electric & Wire Co Bush Terminal Bldg No 8 Brooklyn 32 NY

COILS, Ignition

(See also Systems, Ignition [Complete]

American Bosch Div American Bosch Arma Corp 3664 Main St Springfield 7 Mass
American Motor Products Co Fond du Lac Wis "Ampco"
Ampco—See American Motor Products Co
Andrew Parts Mfg Co 32-70 31st Long Island City 6 N Y
Auto-Lite—See Electric Auto-Lite Co
Blue Streak—See Standard Motor Products Inc
Crumbliss Mfg Co 3830 N Podlin Drive Franklin Park Ill
D S M Electric Co 6209 John Lodge Expressway Detroit 2 Mich
Delco-Remy Div General Motors Corp 2401 Columbus Ave Anderson Ind
Echlin Mfg Co U S Route 1 Branford Conn
Electric Auto-Lite Co Toledo Ohio "Auto-Lite"
F & B Mfg Co 4248 W Chicago Ave Chicago 51 Ill "Filko"
Filko—See F & B Mfg Co
Freedco Products Inc 36-08 33rd St Long Island City 6 N Y
GP—See Guaranteed Parts Co
Guaranteed Parts Co Seneca Falls N Y "GP"
Holley Carburetor Co 11955 E Nine Mile Rd Warren Mich
K-W—See Stan-Test Corp
Kem Mfg Co 20-21 Wagaraw Rd Fairlawn N J
M D Parts Mfg Co 5247 Coffman-Pico Rd Pico Calif
Machined Parts Corp 6209 Hamilton Ave Detroit 2 Mich "Mapco"
Mallory Electric Corp 12416 Cloverdale Ave Detroit 4 Mich
Mapco—See Machined Parts Corp
National—See Wheel Parts & Mfg Co
National Ignition Mfg Co 521 W 23rd St New York 11 N Y "Nimco"
New York Coil Co 42 Second Ave Phoenixville Pa "Nyco"
Niehoff & Co C E 4925 W Lawrence Ave Chicago 30 Ill
Nimco—See National Ignition Mfg Co
Nyco—See New York Coil Co
P P P—See Preferred Electric & Wire Co
Paragon Products Corp 140 Astor St Newark 5 N J "Vulcan" (Sole distributors Vulcan Motor Products Inc 1060 Broad St Newark 2 N J)
Preferred Electric & Wire Co Bush Terminal Bldg No 8 Brooklyn 32 N Y "PPP"
R-B-M Div Essex Wire Corp Chestnut & Hanna Sts Logansport Ind
Shurhit Prorducts Inc 845 S Market St Waukegan Ill
Sorensen Mfg Co P 32-31 57th St Woodside 77 N Y
Standard Motor Products Inc 3718 Northern Blvd Long sland City N Y "Blue Streak" "Standard"
Stan-Test Corp 4630 W Harrison St Chicago 44 Ill "K-W"
Super Go—See Wells Mfg Corp
Tasco Products Div of Guaranteed Parts Co Seneca Falls N Y
Tungsten Contact Mfg Co 7311 Cottage Ave North Bergen N J
Valley Forge Products Co 370 19th St Brooklyn 15 N Y
Vulcan—See Paragon Products Corp
Wells Mfg Corp 12 S Brooke St Fond du Lac Wis "Wells" "Super Go"
Wheel Parts & Mfg Co 352 Fourth Ave N Y 10 N Y "National"
Wico Electric Co 10 Bliss Ave West Springfield Mass

COIL TESTERS—See Instruments, Electrical Circuit Testing

COIL WINDINGS, IGNITION—See Windings, Ignition Coil

COLORS (Paint Pigment)

Acme Quality Paints Inc 8250 St Aubin Ave Detroit 11 Mich
Ditz-Lac—See Ditzler Color Div Pittsburgh Plate Glass Co
Ditzler Color Div Pittsburgh Plate Glass Co 8000 W Chicago Ave Detroit 4 Mich "Ditz-Lac"
Goodrich Chemical Co B F 3135 Euclid Ave Cleveland 15 Ohio "Harman"
Harman—See B F Goodrich Chemical Co
Harshaw Chemical Co 1945 E 97th St Cleveland 6 Ohio
Martin-Senour Co 2500 Senour Ave Chicago 8 Ill "Synthol"
Sherwin-Williams Co 101 Prospect Ave N W Cleveland 1 Ohio
Synthol—See Martin-Senour Co

COLUMBIUM FORGINGS—See Forgings Columbium

COMBUSTION ANALYZERS—See Analyzers, Combustion

COMMUTATORS, Electric Motor

Cameron Electrical Mfg Co 63 Main St Ansonia Conn
Electric Materials Co Clay & Washington Sts North East Pa
Homer—See Toledo Commutator Co
International Products & Mfg Co 850 N Ogden Ave Chicago 22 Ill
Simmons Mfg Co Ashland Ohio (For Ford and Chevrolet cars)
Spring Div Borg-Warner Corp Madison St & 25th Ave Bellwood Ill (Small)
Toledo Commutator Co 1101 S Chestnut St Owosso Mich "Homer" "Toledo"

COMPARATORS

Acra-Ment—See Sealol Corp
Afr-O-Limit—See Pratt & Whitney Co
American Optical Co., 14 Mechanic St Southbridge, Mass. (Optical)
Ames Co., B. C., 12 Ames St., Waltham 54, Mass.
Bausch & Lomb Optical Co 141 St Paul St Rochester 2 N Y
Brown & Sharpe Mfg Co 235 Promenade St Providence 1 R I
Cleveland Instrument Co 6220 E Schaaf Rd Cleveland 31 Ohio "Indi-Ac"
Comparitol—See George Scherr Co.
Comtor Co 47 Farwell St Waltham Mass "Comtorplug" (Internal diameter)
Covel Mfg Co Graham Ave Benton Harbor Mich (Optical)
Dow Mechanical Corp Thompsonville Conn **"Dow-Gage" "Tacomps"**
Electrolimit—See Pratt & Whitney Co
Federal Products Corp., 1144 Eddy St., Providence 1, R. I.
Freeland Gage Co 9940 Freeland Ave Detroit 27 Mich (Air)
Hanlo Gage Co 16150 Hubbell Ave Detroit 35 Mich
Hanson-Whitney Co 169 Bartholomew Ave Hartford 2 Conn (Thread)
Index Machinery Co 4907 Foley Rd Cincinnati 38 Ohio "Subibo"
Indi-Ac—See Cleveland Instrument Co
Jones & Lamson Machine Co 523 Clinton St., Springfield, Vt. (Optical.)
Merz Engineering Co., 200 S. Harding St., Indianapolis 7, Ind.
Metron Instrument Co 432 Lincoln St Denver 3 Colo (Electric)
Michigan Tool Co 7171 McNichols Rd E Detroit 12 Mich (Gear)
Pratt & Whitney Co Charter Oak Blvd West Hartford 1 Conn "Air-O-Limit" "Electrolimit" "Tri-Roll"
Precisionaire—See Sheffield Corp
RCA Arlin—See Radio Corp of America
Radio Corp of America Detroit Industrial **Products 13541 Auburn Ave Detroit 23 Mich "RCA Arlin**
Scherr Co., George, 200 Lafayette St., New York 12, N. Y. "Comparitol," "Wilder."
Sealol Corp Warwick Industrial Park Providence 5 R I "Acra-Ment"
Sheffield Corp 721 Springfield St Dayton 1 Ohio "Precisianaire" (Air)
Standard Gage Co Poughkeepsie N Y
Subibo—See Index Machinery Co
Swedish Gage Co of America 10641 Haggerty Ave Dearborn 1 Mich
Taft-Peirce Mfg Co 32 Mechanic Ave Woonsocket Rd "Verachek"
Threadwell Tap & Die Co Greenfield Mass (Electronic)
Tri-Roll—See Pratt & Whitney Co
Verachek—See Taft-Peirce Mfg Co
Wilder—See George Scherr Co

COMPENSATORS, Motor Starting (Industrial)

E C & M—See Electric Controller & Mfg Co
Electric Controller & Mfg Co Div of Square **D Co 4500 Lee Rd Cleveland 28 Ohio "E C & M"**
G-E—See General Electric Co
General Electric Co Apparatus Sales Div 1 River Rd Schenectady 5 N Y "G-E"

COMPOUNDS, ANTI-FREEZE — See Anti-Freeze

COMPOUNDS, Battery Sealing

Mitchell-Rand Mfg Corp 51 Murray St New York N Y "Rubberseal"
Rubberseal—See Mitchell-Rand Mfg Corp

COMPOUNDS, Brake Bonding

Miley Co., L. J., 18 S. Sangamon St., Chicago 7, Ill.
Permafuse Corp 675 Main St Westbury N Y
Raybestos Div of Raybestos-Manhattan Inc 75 E Main St Stratford 2 Conn

COMPOUNDS, Buffing and Polishing (Metal)

Bruce Products Corp 500 N West St Howell Mich "Livac" "Stavac" "Trivac"
Brush Finish—See Frederic B. Stevens, Inc.
Buckingham Products Co., 14100 Fullerton Ave., Detroit 27, Mich.
Cooper Co., D. C., 1467 S. Michigan Ave., Chicago 5, Ill. "D. C."
Cutmore—See Frederic B. Stevens, Inc.
D. C.—See D. C. Cooper Co.
Dixon Inc William 32 E Kinney St Newark 1 N J
Engis Equipment Co., 431 S. Dearborn St., Chicago 15, Ill. "Hyprez Diamond."
Fast Finish—See Frederic B. Stevens, Inc.
4A—See Harrison & Co
Gaylime—See Matchless Metal Polish Co
Greasless—See Frederic B Stevens Inc
H-VW-M—See Hanson-Van Winkle-Munning Co

COMPOUNDS, Buffing and Polishing (Metal)—continued

Hanson-Van Winkle-Munning Co **Matawan N J "H-VW-M"**
Harrison & Co., P. O. Box 457, Haverhill, Mass. "4A."
Hi-Lustre—See Frederic B. Stevens, Inc.
Hyprez Diamond—See Engis Equipment Co.
Kocour Co., 4800 S. St. Louis Ave., Chicago 32, Ill.
Lea Mfg Co 16 Cherry Ave Waterbury 20 Conn "Lea Compound" "Learok" & "Lea Liquabrake"
Learok—See Lea Mfg. Co.
Livac—See Bruce Products Corp
Lorco—See Lord Chemical Co
Lord Chemical Co 2068 S Queen St York Pa "Lorco"
Marvel—See Frederic B. Stevens, Inc.
Matchless Metal Polish Co., 840 W. 49th Place, Chicago, Ill. "Matchless," "Nikolime," "Gaylime," "White Diamond."
Nikolime—See Matchless Metal Polish Co.
Park Chemical Co 8074 Military Ave Detroit 4 Mich "Park-O" (Polishing)
Plasticolor—See Frederick B. Stevens, Inc.
Plasticut—See Frederick B. Stevens, Inc.
Smooth Glaze—See Swavely Chemical & Varnish Works.
Stavac—See Bruce Products Corp
Stevens Inc Frederic B 1800 18th St Detroit 16 Mich **"Marvel" "Cutmore" "Hi-Lustre" "Fast Finish" "White Rose" "Plasticut" "Plasticolor" "Tampico" "Greaseless" "Brush Finish"**
Sure-Rite—See Warehouse Dist Co
Swavely Chemical & Varnish Works 831 Page St Flint 5 Mich "Smooth Glaze"
Tampico—See Frederic B. Stevens Inc
Trivac—See Bruce Products Corp
Warehouse Distributing Co 3810 N 19th St Philadelphia 40 Pa **"Sure-Rite"**
White Diamond—See Matchless Metal Polish Co.
White Rose—See Frederic B Stevens Inc

COMPOUNDS, Case Hardening

Aerocarb—See American Cyanamid Co.
Aerocase—See American Cyanamid Co
American Cyanamid Co Industrial Chemicals Div Process Chemicals Dept 30 Rockefeller Plaza New York 20 N Y **"Aerocarb" "Aerocase"**
Buchanan Chemical Co C G 3112 Portsmouth Ave Cincinnati 8 Ohio "Case-Hardo" "Ferro-Case"
Case-Hardo—See C G Buchanan Chemical Co
Cyanegg—See E. I. du Pont de Nemours & Co., Electrochemicals Dept.
Cyanobrik—See E I du Pont de Nemours & Co
Cyanoflake—See E. I. du Pont de Nemours & Co., Electrochemicals Dept.
Cyanogran—See E. I. du Pont de Nemours & Co., Electrochemicals Dept.
du Pont de Nemours & Co., E. I., Electrochemicals Dept., Wilmington 98, Del. "Cyanoflake," "Cyanegg," "Cyanogran," "Cyanobrik" (Sodium cyanide)
Ferro-Case—See C G Buchanan Chemical Co
Holden Co F 14341 Schaefer Highway Detroit 27 Mich
Houghton & Co., E. F., 303 W. Lehigh Ave., Philadelphia 33, Pa. "Pearlite," "Quicklight," "Perilton." (Carburizing.)
Kasenit Co 3 King St Mahwah N J
Klean Heat—See Park Chemical Co.
Kwick Kase—See Park Chemical Co.
Park Chemical Co 8074 Military Ave Detroit 4 Mich "Woodside's" "Kwick Kase" "Klean Heat"
Pearlite—See E. F. Houghton & Co.
Perilton—See E. F. Houghton & Co.
Quicklight—See E F Houghton & Co
Steco—Steel Treating Equipment Co.
Steel Treating Equipment Co 9300 Southern Ave Dearborn Mich "Steco" & "Thermo"
Thermo—See Steel Treating Equipment Co
Woodside's—See Park Chemical Co.

COMPOUNDS, Core

Buckingham Products Co 14100 Fullerton Ave Detroit 27 Mich
Delta Oil Products Corp 6263 N Teutonia Ave Milwaukee 9 Wis
Easy Cleaner—See J S McCormick Co
Ebony—See Hill & Griffith Co
Federal Foundry Supply Div Archer-Daniels-Midland Co 2191 W 110th St Cleveland 2 Ohio "Star" (Paste; "Super" & "Graph-Plast" wash)
Foundry Services Inc 20200 Sheldon Rd Berea Ohio
Graph-Plast—See Federal Foundry Supply Div
Hill & Griffith Co 1262 State St Cincinnati 4 Ohio "Ebony" "Linoline"
Houghton & Co E F 303 W Lehigh Ave Philadelphia 33 Pa "Hy-ten"
Hy-ten—See E F Houghton & Co
Ignicoat—See Frederic B Stevens Inc
Imperial—See J S McCormick Co
King Kore Compound — See Frederic B Stevens Inc
Lincoln—See J S McCormick Co
Linoline—See Hill & Griffith Co
Lion—See J S McCormick Co
McCormick Co J S 25th St & A V R R Pittsburgh Pa "Easy Cleaner" "Vulcan" "Imperial" "Lincoln" "Silkon" & "Lion"
Molduko—See Superior Graphite Co
Obermayer Co S 2563 W 18th St Chicago 8 Ill
Silkon—See J S McCormick Co
Slick Seal—See Frederic B Stevens Inc
Star—See Federal Foundry Supply Div
Stevens Inc Frederic B 1800 18th St Detroit 16 Mich "Ignicoat" "King Kore Kompound" "Slick Seal" "Tri-Cote"
Super—See Federal Foundry Supply Div
Superior Graphite Co 1521 First National Bank Bldg Chicago 3 Ill "Molduko"
Tri-Cote—See Frederic B Stevens Inc
Vulcan—See J S McCormick Co

COMPOUNDS, Cutting Fluid

Acme—See Standard Oil Co (Indiana)
Aldridge Industrial Oils Inc 3401 W 140th St Cleveland 11 Ohio "Kelcotene" "Kelkool" & "Crystal"
Allube Corp 928 Allen Ave Glendale 1 Calif
Anderson Oil & Chemical Co Quarry Lane Portland Conn "Lusol" "Shamrock"
Antisep—See E F Houghton & Co
Aqua Sol—See Wayne Chemical Products Co
Argon—See Standard Oil Co Indiana
Bestoil—See Oster Mfg Co
Bruce Products Corp 500 N West St Howell Mich "Bru-Kut"
Bru-Kut—See Bruce Products Corp
Chillo—**See Cities Service** Oil Co (Pa)
Cimcool—See **Cincinnati Milling** Machine Co
Cincinnati Milling Machine Co Milling Products Div 4701 Marburg Ave Cincinnati 9 Ohio "Cimcool"
Cities Service Oil Co (Pa) 60 Wall Tower New York 5 N Y "Chillo"
Claire—See Sinclair Refining Co
Crystal—See Aldridge Industrial Oils Inc
Cut Max—See E. F. Houghton & Co.
DSL—See Davis-Howland Oil Corp
Davis-Howland Oil Corp 333 South Ave Rochester 20 N Y "DSL"
Delta Oil Products Corp 6263 N Teutonia Ave Milwaukee Wis
DoAll Co., 254 N. Laurel Ave., Des Plaines, Ill.
Dortan—See Esso Standard Oil Co.
Dromus—See Shell Oil Co.
Econo—See Middle States Oil Co
Enarco—See **National Refining Co**
Esso Standard Oil Co., 15 W. 51st St., New York 19, N. Y. **"Kutwell," "Dortan," "Pennex," "Fanox."**
Fanox—See Esso Standard Oil Co.
Fenelia—See Shell Oil Co.
Fiske Bros Refining Co 129 Lockwood St Newark 5 N J
Garia—See Shell Oil Co
Gulf Oil Corp 1822 Gulf Bldg Pittsburgh 30 Pa "Gulfcut"
Hanchett Mfg Co 906 N State St Big Rapids Mich
Hocut—See Houghton & Co.
Houghton & Co E F 303 W Lehigh Ave Philadelphia 33 Pa "Antisep" "Hocut" "Cut Max"
K-11—See Wayne Chemical Products Co
Kelcotene—See Aldridge Industrial Oils Inc
Kelkool—See Aldridge Industrial Oils Inc
Kerns Co L R 2657 E 95th St Chicago 17 Ill
Kutwell—See Esso Standard Oil Co
Litholine—See Sinclair Refining Co
Lusol—See Anderson Oil & Chemical Co
Magicut—See Wayne Chemical Products Co
Memco—See Mergraf Oil Products Co
Mercut—See Mergraf Oil Products Co
Mergraf Oil Products Co P O Box 215 Northville Mich "Memco" "Mercut"
Middle States Oil Co 1102 W 11th St Cleveland 13 Ohio "Econo" "Perfection" "Vi-Tool-Ized"
National Refining Co Standard Bldg Cleveland 1 Ohio "Enarco"
No Sep—See Wayne Chemical Products Co.
Oakite Products Inc 19 Rector St N Y N Y
Ordnance—See Sinclair Refining Co
Oster Mfg Co E 289th St Wickliffe Ohio "Bestoil"
Pennex—See Esso Standard Oil Co.
Perfection—See Middle States Oil Co.
Phillips Petroleum Co Bartlesville Okla "Philkut"
Premier—See Standard Oil Co. (Indiana.)
Shamrock—See Anderson Oil & Chemical Co
Shell Oil Co., 50 W. 50th St., New York 20, N. Y. **"Garia," "Fenelia," "Dromus."**
Sinclair Refining Co 600 Fifth Ave New York 20 N Y "Claire" "Litholine" "Ordnance" "Tooltex" "Trukut" "Wilkut"
Standard Oil Co (Indiana) 910 S Michigan Ave Chicago 80 Ill "Acme" "Argon" "Premier" "Stanicool" "Stanicut" "Superla"
Stanicut—See Standard Oil Co (Indiana)
Stanicool—See Standard Oil Co (Indiana)
Sunicut—See Sun Oil Co
Sun Oil Co 1608 Walnut St Philadelphia 3 Pa "Sunicut"
Superla—See Standard Oil Co (Indiana)
Texaco Inc 135 E 42nd St New York 17 N Y
3B—See Wayne Chemical Products Co
Tooltex—See Sinclair Refining Co
Trukut—See Sinclair Refining Co
Vi-Tool-Ized—See Middle States Oil Co.
W & B—See White & Bagley Co
Wayne Chemical Products Co. Copeland Ave & M C R R Detroit 17 Mich "K-11" "3-B" "No Sep" "Aqua Sol" "Wayne Right" "Zeta-Sol" & "Magicut"
White & Bagley Co., 100 Foster St., Worcester, Mass. "W & B."
Wilkut—See Sinclair Refining Co
Zeta-Sol—See Wayne Chemical Products Co

COMPOUNDS, CUTTING FLUID ADDITIVE

—See Additives, Cutting Fluid

COMPOUNDS, Degassing

Foundry Services Inc 20200 Sheldon Rd Berea Ohio

COMPOUNDS, Drawing

Amchem Products Inc Brookside Ave & Reading R R Ambler Pa "Granodraw"
Bonderite—See Parker Rust Proof Co
Bonderlube—See Park Rust Proof Co
Bruce Products Corp 500 N West St Howell Mich
DSL—See Davis-Howland Oil Corp
Davis-Howland Oil Corp 333 South Ave Rochester 20 N Y "DSL"
Detrex Chemical Industries Inc Box 501 Detroit 32 Mich
Drawcote—See Pennsalt Chemicals Corp
Foslube—See Pennsalt Chemicals Corp
Granodraw—See Amchem Products Inc
Johnson & Son Inc S C 1525 Howe St Racine Wis (Wax)
Parker Rust Proof Co 2177 E Milwaukee Ave Detroit 11 Mich "Bonderite" "Bonderlube"
Pennsalt Chemicals Corp 3 Penn Center Philadelphia 2 Pa "Drawcote" "Foslube"

COMPOUNDS, FOUNDRY

—See Compounds, Core; also Compounds, Degassing; also Flux, Foundry

COMPOUNDS, GASKET MAKING

—See Paste, Gasket Making

COMPOUNDS, Glazing

Arco Co 7301 Bessemer Ave Cleveland 27 Ohio "Dum Dum"
Dum Dum—See Arco Co.
StayTite Products Co 9400 Steinway Ave Cleveland 4 Ohio

COMPOUNDS, Grinding

Dri-Kool—See King Graphite Products Inc
King Graphite Products Inc 21947 Telegraph Rd Trenton N J "Dri-Kool"
Texaco Inc 135 E 42nd St New York 17 N Y "Texaco Cooltex"

COMPOUNDS, Heat Treating

Aeroheat—See American Cyanamid Co.
Aldridge Industrial Oils Inc 3401 W 140th St Cleveland 11 Ohio **"Beacon Brand" & "Kelco"**
Amchem Products Inc Brookside Ave & Reading R R Ambler Pa "Ridoxine"
American Cyanamid Co Industrial Chemicals Div Process Chemicals Dept 30 Rockefeller Plaza New York 20 N Y "Aeroheat"
Aspa—See Shell Oil Co.
Beacon Brand—See Aldridge Industrial Oils Inc
Buchanan Chemical Co C G 3112 Portmouth Ave Cincinnati 8 Ohio
Detrex Chemical Industries Inc Box 501 Detroit 32 Mich
Holden Co A F 14341 Schaefer Highway Detroit 27 Mich
Kasenit Co 3 King St Mahwah N J
Kelco—See Aldridge Industrial Oils Inc
Mitchell-Bradford Chemical Co Wampus Lane Milford Conn "Quick Carb" "Quick Temper"
Park Chemical Co 8074 Military Ave Detroit 4 Mich "Park-Kase" "Woodside's"
Quick Carb—See Mitchell-Bradford Chemical Co

Quick Temper—See Mitchell-Bradford Chemical Co.
Ridoxine—See Amchem Products Inc
Sauereisen Cements Co Sharpsburg Station Pittsburgh 15 Pa
Shell Oil Co 50 W 50th St New York 20 N Y "Aspa" "Voluta"
Voluta—See Shell Oil Co
Woodside's—See Park Chemical Co

COMPOUNDS, Lapping

Behr-Manning Corp 1960 Howe St Troy N Y "Silkite"
Boyar-Schultz Corp 2000 S 25th Ave Broadview Ill
Carborundum Co Buffalo Ave Niagara Falls N Y
Clover Mfg Co 327 Main St Norwalk Conn
Diamond Tool Co 246 Broadway South Haven Mich "Lap-Loder"
Engis Equipment Co., 431 S. Dearborn St., Chicago 5, Ill. "Hyprez Diamond."
Hyprez Diamond—See Engis Equipment Co
Lap-Loder—See Diamond Tool Co
Lea Mfg Co 16 Cherry Ave Waterbury 20 Conn
National Broach & Machine Co., 5600 St Jean Ave., Detroit 13, Mich. "Red Ring."
Red Ring—See National Broach & Machine Co
Silkite—See Behr-Manning Corp
Trulap—See Wheel Trueing Tool Co
Wheel Trueing Tool Co 3200 W Davison Ave Detroit 38 Mich "Trulap"
Zip Abrasive Co 1360 W Ninth St Cleveland 13 Ohio

COMPOUNDS, Masking

(To prevent lacquer overspray)

Acme Quality Paints Inc 8250 St Aubin Ave Detroit 11 Mich
Adhere Inc 1220 Maple Ave Los Angeles 15 Calif "Spraymask"
Dennis Chemical Co., 2701 Papin St., St. Louis 3 Mo "Perma-Skin
Detrex Chemical Industries Inc Box 501 Detroit 32 Mich "LPM"
LPM—See Detrex Chemical Industries Inc
Park Chemical Co 8074 Military Ave Detroit 4 Mich "Protexit"
Perma-Skin—See Dennis Chemical Co
Permo Products Co 1629 Platte St Denver 3 Colo "Permo Mask Eze"
Plask—See Servwell Products Co.
Protexit—See Park Chemical Co.
Servwell Products Co., 6519 Euclid Ave., Cleveland 3, Ohio. "Plask."
Sherwin-Williams Co 101 Prospect Ave N W Cleveland 1 Ohio
Smooth Glaze—See Swavely Chemical & Varnish Works.
Spraymask—See Adhere, Inc.
Steelcote Mfg. Co., 3418 Gratiot Ave., St. Louis 3, Mo.
Swavely Chemical & Varnish Works, 831 Page St., Flint 5, Mich. "Smooth Glaze."
Turco Products Inc 24600 S Main St North Wilmington Calif

COMPOUNDS, Metal Testing

(To visually locate cracks, flaws or porosity in metal)

Dy-Chek—See Turco Products Inc
Kelite Corp 1250 N Main St Los Angeles Calif
Magnaflux Corp 7300 W Lawrence Ave Chicago 31 Ill "Spotcheck" (Dye)
Spotcheck—See Magnaflux Corp
Turco Products Inc 24600 S Main St North Wilmington Calif

COMPOUNDS, MOLDING — See Plastics—Materials

COMPOUNDS, Paint Bonding

Alodine—See Amchem Products Inc
Amchem Products Inc Brookside Ave & Reading RR Ambler Pa "Alodine" "Duridine" "Granodine" "Lithoform"
Barr & Co W M 2336 S Lauderdale St Memphis 6 Tenn "Metal Treat" (Sole distributors Klean Strip Co Box 3565 Memphis 6 Tenn)
Bonderite—See Parker Rust Proof Co
Chemlok—See Hughson Chemical Co
Detrex Chemical Industries Inc Box 501 Detroit 32 Mich
Duridine—See Amchem Products Inc
Fosbond—See Pennsalt Chemicals Corp
Granodine—See Amchem Products Inc
Hughson Chemical Co Div Lord Mfg Co Erie Pa "Chemlok"
Kelite Corp 1250 N Main St Los Angeles Calif
Klem Chemicals Inc 14401 Lanson St Dearborn Mich "Klem-Kote"
Lithoform—See Amchem Products Inc
Metal Treat—See W M Barr & Co
Oakite Products Inc 19 Rector St N Y N Y "Oakite Chromi Coat" "Oakite CrysCoat"
Parco—See Parker Rust Proof Co
Parker Rust Proof Co 2177 E Milwaukee Ave Detroit 11 Mich "Bonderite" "Parco"
Pennsalt Chemicals Corp 3 Penn Center Philadelphia 2 Pa "Fosbond"
Totrust Metal-Bond—See Wilbur & Williams Co
Wilbur & Williams Co 650 Pleasant St Norwood Mass "Totrust Metal-Bond"

COMPOUNDS, Phosphate Coating (For Paintbonding, Rustproofing and Extrusion)

Detrex Chemical Industries Inc Box 501 Detroit 32 Mich
Fosbond—See Pennsalt Chemicals Corp
Oakite Products Inc 19 Rector St N Y 6 N Y "Oakite CrysCoat"
Pennsalt Chemicals Corp 3 Penn Center Philadelphia 2 Pa "Fosbond"

COMPOUNDS, Plating

ARP—See Allied Research Products Co
Allied Research Products Inc 4004 E Monument St Baltimore 5 Md "Isobrite" (Brighteners; "Iridite" chromate; "ARP")
Amchem Products Inc Brookside Ave & Reading RR Ambler Pa
Iridite—See Allied Research Products Co
Isobrite—See Allied Research Products Co
Pennsalt Chemicals Corp 3 Penn Center Philadelphia 2 Pa (Brighteners)
Udylite Corp 1651 E Grand Blvd Detroit 11 Mich "Udybrite"
Udybrite—See Udylite Corp

COMPOUNDS, POLISHING—See Compounds, Buffing and Polishing (Metal)

COMPOUNDS, Rust Preventing and Removing

Aldridge Industrial Oils Inc 3401 W 140th St Cleveland 11 Ohio "Kelcote"
Alox Corp Buffalo Ave & Iroquois St Niagara Falls N Y (Preventing)
Amalie Div L Sonneborn Sons Inc Franklin Pa
Amchem Products Inc Brookside Ave & Reading R R Ambler Pa "Deoxidine" "Deoxylyte" "Peroline" "Permadine" "Thermoil-Granodine"
Anderson Oil & Chemical Co Quarry Lane Portland Conn "Winsor"
Anti-Corrode—See Cities Service Oil Co (Pa)
Antiox—See Penetone Co
Ball Chemical Co 1486 Butler Plank Rd Glenshaw Pa "Oxolin"
Bardahl Mfg Corp 1400 W 52nd St Seattle 7 Wash
Barr & Co W M 2336 S Lauderdale St Memphis 6 Tenn "Metal Treat" (Sole distributors Klean Strip Co Box 3565 Memphis 6 Tenn)
Bishman Mfg Co Route 2 Osseo Minn "E Z Off"
Bruce Products Corp 500 N West St Howell Mich "Bruko Non-Rust" (Preventing)
Bruko Non-Rust—See Bruce Products Corp
Buchanan Chemical Co C G 3112 Portsmouth Ave Cincinnati 8 Ohio "Bu-Co"
Bu-Co—See Buchanan Chemical Co.
CR-430—See R M Hollingshead Corp
Chicago Hydraulic Oil Co 371 E 116 St Chicago 28 Ill "Pennytroyl"
Chrysler Corp Cycleweld Chemical Products Div 5437 W Jefferson Ave Trenton Mich "Cycleweld"
Cities Service Oil Co (Pa) 60 Wall Tower New York 5 N Y "Anti-Corrode"
Cooper Co., D. C., 1467 S. Michigan Ave., Chicago 5, Ill. "D. C."
Cosmoline—See E. F. Houghton & Co.
Crystal Soap & Chemical Co 6300 State Rd Philadelphia 35 Pa (Preventing)
Cycleweld—See Chrysler Corp
D C—See D C Cooper Co
DSL—See Davis-Howland Oil Corp
Daubert Chemical Co 4700 S Central Ave Chicago 38 Ill (Preventing)
Davis-Howland Oil Corp 333 South Ave Rochester 20 N Y "DSL" (Preventing)
Dearborn Chemical Co Merchandise Mart Plaza Chicago 54 Ill "No-Ox-Id"
Deoxidine—See Amchem Products Inc
Deoxylyte—See Amchem Products Inc
Detrex Chemical Industries Inc Box 501 Detroit 32 Mich (Rustproofing)
Ditzler Color Div., Pittsburgh Plate Glass Co., 8000 W. Chicago Ave., Detroit 4, Mich.
Diversey Corp 1820 Roscoe St Chicago 13 Ill
Drew & Co E F Automotive Chemicals Div 15 E 26th St N Y 10 N Y
Du-Ol—See Supersite Corp
E Z Off—See Bishman Mfg Co
Ensign Products Co 3528 E 76th St Cleveland 5 Ohio (Preventing)
Ensis—See Shell Oil Co
Enthone Inc 442 Elm St New Haven 11 Conn (Preventing)
Esso Standard Oil Co., 15 W. 51st St., New York 19, N. Y. "Rust Ban."
FO—See Fine Organics Inc
Ferlon—See Wyandotte Chemicals Corp
Ferox—See Service Industries
Fine Organics Inc 211 E 19th St N Y 3 N Y "FO"
Glisten Co PO Box 281 Hillsdale Mich
Grapho Products Inc P O Box 8604 Lawrence Ind "Pen-A-Trate"
Gulf Oil Corp 1822 Gulf Bldg Pittsburgh 30 Pa "Gulf No-Rust"
Hollingshead Corp R M 840 Cooper St Camden N J "Klear Flo-Flush" "Loosen-All" "Whiz" "CR-430"
Houghton & Co., E. F., 303 W. Lehigh Ave., Philadelphia 33, Pa. "Cosmoline," "Rust Veto." (Preventing.)
Industrial Chemical Products Co 3769 Bellevue Ave Detroit 7 Mich "Sol-Klean" (Removing)
Industrial Metal Protectives Inc 401 Homestead Ave Dayton 8 Ohio "Zincilate" (Preventing)
Johnson Mfg Co 616 N First Ave Mt Vernon Iowa
K & W Products Inc 8319 Allport Ave Whittier Calif
Kelcote—See Aldridge Industrial Oils Inc
Kerns Co L R 2657 E 95th St Chicago 17 Ill
Klear Flo-Flush — See R M Hollingshead Corp
Klem Chemicals Inc 14401 Lanson St Dearborn Mich
Krylon Inc Ford & Washington Sts Norristown Pa "Rust Release"
L & R Mfg Co 577 Elm St Kearny N J (Removing)
Lee Polish Mfg Co 1399 Utica Ave Brooklyn 3 N Y
Lenk Mfg Co Franklin Ky "No-Rust" (Preventing)
Lion Oil Co Lion Oil Bldg El Dorado Ark "Nokorode" (Preventing)
Liquid Glaze Inc 704 Sheridan St Lansing 6 Mich
Liquid Wrench—See Radiator Specialty Co.
Loosen-All—See R M Hollingshead Corp
Lorco—See Lord Chemical Co
Lord Chemical Co 2068 S Queen St York Pa "Lorco"
Lubaid Co., 155 E. Kilbourn St., Milwaukee 1, Wis. "Rench Aid." (For loosening rusty nuts, bolts, cylinder heads, etc.)
Magiclene—See Mitchell-Bradford Chemical Co
Mergraf Oil Products Co P O Box 215 Northville Mich "Merseal"
Metal Treat—See W M Barr & Co
Mitchell-Bradford Chemical Co Wampus Lane Milford Conn "Magiclene" "Silco" "Witch-Dip" "Witch-Oil"
Mobo—See John T Stanley Co
Nokorode—See Lion Oil Co
No-Ox-Id—See Dearborn Chemical Co
Norimrust Corp 228 W 65th St N Y 23 N Y (Preventing for rims)
No-Rust—See Lenk Mfg Co
Octagon Process Inc 15 Bank St Staten Island 1 N Y "Octoil" & "Rustclean"
Octoil—See Octagon Process Inc
Otto Items Inc 1200 Reco Ave Kirkwood 22 Mo "Tru-Torque" (For wheel cylinders)
Oxolin—See Ball Chemical Co
Parco—See Parker Rust Proof Co.
Parcolac—See Parker Rust Proof Co
Parker Rust Proof Co 2177 E Milwaukee Ave Detroit 11 Mich "Parco" "Parcolac" "Parco Compound"
Pen-A-Trate—See Grapho Products, Inc.
Penetone Co 74 Hudson Ave Tenafly N J "Antiox" (Preventing)
Penetro 1000—See Reliance Battery Products Co
Penetrol—See Reynolds Ink Inc
Pennsylvania Refining Co., Butler Savings & Trust Bldg., Butler, Pa. "Petrotect."
Pennytroyl—See Chicago Hydraulic Oil Co.
Permadine—See Amchem Products Inc
Permatex Co 300 Broadway Huntington Station N Y
Peroline—See Amchem Products Inc
Petroleum Solvents Corp., 331 Madison Ave., New York 17, N. Y. "Siloo Penetrant."
Petrotect—See Pennsylvania Refining Co
Philadelphia Quartz Co 1146 Public Ledger Bldg Sixth & Chestnut Sts Philadelphia 6 Pa "Rusticon" (Preventing)
Powerfilm—See Thomas Co
Protex—See Wayne Chemical Products Co.
Radiator Specialty Co 1400 W Independence Blvd Charlotte 1 N C "Liquid Wrench" (For removing frozen joints, nuts, cylinder heads, tail pipes and mufflers.)
Reliance Battery Products Co., 2211 S. Eighth St., Council Bluffs, Iowa. "Penetro 1000."

COMPOUNDS, Rust Preventing and Removing—continued

Rench Aid—See Lubaid Co.
Reynolds Ink Inc 4500 Euclid Ave Cleveland 3 Ohio "Penetrol"
Rossaul Co 170 Fifth Ave New York 10 N Y "Rossaul Dexolde" (Removing)
Rust Ban—See Esso Standard Oil Co.
Rustclean—See Octagon Process Inc
Rusticon—See Philadelphia Quarts Co.
Rust Oleum Corp 2425 Oakton St Evanston Ill (Preventing)
Rust Release—See Krylon Inc
Rust Shield—See Wilbur & Williams Co
Rustrem—See Speco Inc
Rust Veto—See E. F. Houghton & Co.
Service Industries 2103 E Somerset St Philadelphia 34 Pa "Ferox"
Service Supply Co 1115 Seventh St Denver 4 Colo
Shell Oil Co 50 W 50th St N Y 20 N Y "Ensis"
Silco—See Mitchell-Bradford Chemical Co.
Siloo Penetrant—See Petroleum Solvents Corp.
Sol-Kean—See Industrial Chemical Products Co.
Speco Inc 7308 Associate Ave Cleveland 9 Ohio "Rustrem"
Spray Products Corp 725 Kenilworth Ave Merchantville 10 N J "Spray Nuts-Off"
Standard Oil Co (Indiana) 910 S Michigan Ave Chicago 80 Ill "Stanorust"
Stanley Co John T 642 W 30th St N Y 1 N Y "Mobo"
Stanorust—See Standard Oil Co. (Indiana)
Steelcote Mfg. Co., 8418 Gratiot Ave., St Louis 3, Mo.
Super-Kwick—See Walker Mfg. Co. of Wis
Supersite Corp 300 Seymour Ave Derby Conn "Du-Off" (Removing)
Sure-Rite—See Warehouse Dist Co
Tectyl—See Valvoline Oil Co Div of Ashland Oil & Refining Co
Texaco Inc 135 E 42nd St New York 17 N Y
Thermoil-Granodine—See Amchem Products Inc
Thomas Co 1645 Hennepin Ave Minneapolis 13 Minn "Powerfilm"
3-1-2—See Young Radiator Co
Totrust—See Wilbur & Williams Co
Tri-Flux—See Wolfe-Kote Co
Tru-Torque—See Otto Items Inc.
Tumbler Laboratories J A 423 S Hanover St Baltimore 1 Md
Turco Products Inc 24600 S Main St North Wilmington Calif
Valvoline Oil Co Div of Ashland Oil & Refining Co 3rd Ave & 6th St Freedom Pa "Tectyl"
W & W—See Wilbur & Williams Co
Walker Mfg Co of Wis 1201 Michigan Blvd Racine Wis "Super-Kwick"
Warehouse Distributing Co 3810 N 19th St Phila 40 Pa "Sure-Rite" (Rust solvent for aluminum cylinder heads etc)
Wayne Chemical Products Co Copeland Ave & M C R R Detroit 17 Mich "Protex"
Whiz—See R. M. Hollingshead Corp.
Wilbur & Williams Co 650 Pleasant St Norwood Mass "Rust-Shield" "Totrust" "W&W"
Winsor—See Anderson Oil & Chemical Co
Witch Dip—See Mitchell-Bradford Chemical Co.
Witch Oil—See Mitchell-Bradford Chemical Co.
Witco Chemical Co 75 E Wacker Drive Chicago 1 Ill (Preventing)
Wolfe-Kote Co 1225 N 8th St Sheboygan Wis "Tri-Flux" (Removing)
Woodhill Chemical Sales Corp 1390 E 34th St Cleveland 14 Ohio
Wyandotte Chemicals Corp J B Ford Div Wyandotte Mich "Ferlon" (Removing)
Wynn Oil Co 1151 W 5th St Azusa Calif
Young Radiator Co 709 S Marquette St Racine Wis "3-1-2" (Rust inhibitor for radiator cooling systems)
Zincilate—See Industrial Metal Protectives Inc

COMPOUNDS, Skin Protection

(To protect skin from paints, lacquers, oils, greases, acids, etc.)

American Optical Co Safety Products Div Mechanic St Southbridge Mass "Safeticote"
Averst Laboratories 22 E 40th St N Y 16 N Y "Kerodex"
Boyer-Campbell Co 6540 St Antoine St Detroit 2 Mich "Skin-Cote"
Dennis Chemical Co., 2701 Papin St., St. Louis 3, Mo. "Den-Nex."
Den-Nex—See Dennis Chemical Co.
du Pont de Nemours & Co E I Fabrics & Finishes Dept Finishes Div Wilmington 98 Del "Pro-Tek"
Glisten Co P O Box 287 Hillsdale Mich
Kerodex—See Ayerst Laboratories
Magnus Chemical Co., 185 South Ave., Garwood, N. J. "Magnus Skin-Gard."
Milburn Co., 3246 E. Woodbridge St., Detroit, Mich. "Ply."
Ply—See Milburn Co.
Pro-Tek—See E. I. du Pont de Nemours & Co.
Sareticote—See American Optical Co
Servwell Products Co 6519 Euclid Ave Cleveland 3 Ohio
Tumbler Laboratories, J. A., 423 S. Hanover St., Baltimore 1, Md.

COMPOUNDS, Spray Booth

Booth Kote—See Klem Chemicals Inc
Bruce Products Corp 500 N West St Howell Mich (Coating)
Dearborn Chemical Co Merchandise Mart Plaza Chicago 54 Ill
Detrex Chemical Industries Inc Box 501 Detroit 32 Mich "Vin-Cote" (Cleaning "Detrex" conditioning)
Du Bois Co 1120 W Front St Cincinnati 3 Ohio "Filmite" "Klarifiant" "Strypp" "Peel Filmite" (Cleaning)
Filmite—See Du Bois Co
Flote—See Wyandotte Chemicals Corp
Industrial Chemical Products Co 3762 Bellevue Ave Detroit 7 Mich "Sepcote"
Kelite Corp 1250 N Main St Los Angeles Calif (Coating)
Klarifiant—See Du Bois Co
Klem Chemicals Inc 14401 Lanson St Dearborn Mich "Booth Kote" (Coating)
Magnus Chemical Co 185 South Ave Garwood N J (Coating)
Northwest Chemical Co 9310 Roselawn Ave Detroit 4 Mich "Spra-Lube"
Oakite Products Inc 19 Rector St N Y N Y (Cleaning etc)
Peck's Products Co 610 E Clarence Ave St Louis 15 Mo "Pepco"
Peel Filmite—See DuBois Co
Pennsalt Chemicals Corp 3 Penn Center Philadelphia 2 Pa (Conditioning)
Pepco—See Peck's Products Co
Plask—See Servwell Products Co.
Sepcote—See Industrial Chemical Products Co
Servwell Products Co 6519 Euclid Ave Cleveland 3 Ohio "Plask" (Coating)
Spra-Lube—See Northwest Chemical Co
Strypp—See Du Bois Co
Turco Products Inc 24600 S Main St Wilmington Calif
Vin-Cote—See Detrex Chemical Industries Inc
Wayne Chemical Products Co Copeland Ave & M C R R Detroit Mich
Wyandotte Chemicals Corp J B Ford Div Wyandotte Mich "Flote"

COMPOUNDS, TERMINAL—See Paints, Storage Battery Terminal

COMPOUNDS, Tinning

Albertson & Co 3100 Lowell Ave Sioux City 3 Iowa "Sioux"
All-State Welding Alloys Co 249 Ferris Ave White Plains N Y "Kartin" "Kromover"
Damtite—See United American Metals Corp.
Dunton Co M W 670 Eddy St Providence 3 R I
du Pont de Nemours & Co., E. I., Electrochemicals Dept., Wilmington 98, Del.
Dutch Boy—See National Lead Co.
Farco—See Farrelloy Co
Farreloy Co 1243 N 26th St Philadelphia 26 Pa "Farco" "Tinezy"
Johnson Mfg Co 616 N First Ave Mt Vernon Iowa "Tin-Ezy"
Kartin—See All-State Welding Alloys Co.
Kromover—See All-State Welding Alloys Co.
Marson Corp 115 Mill St Revere Mass "Tin-Kote"
Meco—See Modern Engrg Co
Modern Engrg Co 3411 Pine Blvd St Louis 3 Mo "Meco"
National Lead Co., 111 Broadway, New York 6, N. Y. "Dutch Boy."
Remont Mfg Co 1201 S Meyers Rd Lombard Ill "Tiennene"
Sioux—See Albertson & Co
Swiss Laboratory 1533 Hamilton Ave Cleveland 14 O "Tin-Spred"
Tin-Ezy—See Johnson Mfg. Co.
Tinezy—See Farrelloy Co
Tin-Kote—See Marson Corp
Tinnene—See Remont Mfg Co
Tin-Spred—See Swiss Laboratory
Tintite—See United American Metals Corp.
United American Metals Corp 970 Meeker Ave., Brooklyn 22, N. Y. "Damtite," "Tintite." (For bearings)

COMPOUNDS, Wear Resisting (Metal)

Parker Rust Proof Co 2177 E Milwaukee Ave Detroit 11 Mich "Parco Lubrite"

COMPOUNDS, Welding

Anti-Spatter—See Wolfe-Kote Co.
Dolphin Paint & Varnish Co 922 Locust St Toledo 3 Ohio "Dolfinite"
Ensign Products Co 3528 E 76 St Cleveland 15 Ohio
Flash-Ex—See Wayne Chemical Products Co.
Krembs & Co 669 W Ohio St Chicago 10 Ill "Pyrolute" (Anti-spatter)
Linde Co 30 E 42nd St N Y 17 N Y (Anti-spatter)
Marquette Mfg Co 307 E Hennepin Ave Minneapolis 14 Minn "Marquette Spatter-Shield"
Midland Paint & Varnish Co 3801 E 91 St Cleveland 5 Ohio "No-Spat" (To prevent bonding of spatter to parts)
No-Spat—See Midland Paint & Varnish Co
Parr Paint & Color Co 18313 Syracuse Ave Cleveland 10 Ohio
Pyrolute—See Krembs & Co
Spatter-Ex—See Wayne Chemical Products Co.
Wayne Chemical Products Co., Copeland Ave. & M.C.R.R., Detroit, Mich. ("Flash-Ex" to prevent bonding of flash to dies; "Spatter-Ex" to prevent bonding of spatter to parts.)
Wolfe-Kote Co 1225 N 8th St Sheboygan Wis "Anti-Spatter" (To prevent bonding of spatter to parts)

COMPOUNDS, Windshield Sealing

Dolphin Paint & Varnish Co 922 Locust St Toledo 3 Ohio "Dolfinite"
du Pont de Nemours & Co E I Finishes Div Specialties Sales Wilmington 98 Del "No 7"
Duro—See Woodhill Chemical Sales Corp
Krylon Inc Ford & Washington Sts Norristown Pa "Sealzit"
Minnesota Mining & Mfg Co 900 Bush Ave St Paul 6 Minn
Presstite Div American-Marietta Co 3738 Chouteau St St Louis 10 Mo "Vibradamp"
Permatex Co 300 Broadway Huntington Station N Y
Radiator Specialty Co 1400 W Ind Blvd Charlotte 1 N C "Solder Seal"
Sealzit—See Krylon Inc
Solder Seal—See Radiator Specialty Co
Vibradamp—See Presstite Div
Woodhill Chemical Sales Corp 1390 E 34th St Cleveland 14 Ohio

COMPRESSED AIR SEPARATORS — See SEPARATORS, Compressed Air

COMPRESSION TESTERS, CYLINDER—See Gages, Cylinder Compression

COMPRESSORS, Air (Auto, Truck and Bus)

(For operating air brakes, horns, etc.)

Bendix-Westinghouse Automotive Air Brake Co 901 Cleveland Rd Elyria Ohio (For air brakes)
Buell Mfg Co, P O Box 206 Lyons Ill
Grover Products Co 1221 S Hope St Los Angeles 15 Calif (Electric)
Midland-Ross Corp Owosso Div 490 S Chestnut St Owosso Mich (For truck air brakes)
Wagner Electric Corp 6400 Plymouth Ave St Louis 33 Mo (For air brakes)

COMPRESSORS, Air (Diesel Engine Driven)

American Air Compressor Corp Dell Ave & 48th St North Bergen N J
Chicago Pneumatic Tool Co 6 E 44th St N Y 17 N Y "Power Vane"
Clark Bros Co Lincoln Ave Olean N Y
Davey Compressor Co 600 Franklin Ave Kent Ohio "Super-Chief"
Ingersoll-Rand Co 11 Broadway N Y 4 N Y
Jaeger Machine Co 550 W Spring St Columbus 16 Ohio
Joy Mfg Co 333 Oliver Bldg Pittsburgh 22 Pa "Unitar"
Le Roi Div Westinghouse Air Brake Co Milwaukee 1 Wis "Le Roi Airmaster"
Power Vane—See Chicago Pneumatic Tool Co
Schramm, Inc., Virginia & Garfield Aves., West Chester, Pa.
Super-Chief—See Davey Compressor Co
Unitar—See Joy Mfg Co
Worthington Corp Harrison N J

COMPRESSORS, Air (Electric Motor Driven)

Allis-Chalmers Mfg. Co., Milwaukee 1, Wis.
American Air Compressor Corp., Dell Ave. & 48th St., North Bergen, N. J.

Bell & Gossett Co 8200 Austin Ave Morton Grove Ill
Binks Mfg Co 3120 Carroll Ave Chicago 12 Ill (For operating spray equipment)
Black Mfg Co 403 Penn St Baltimore 30 Md
Brown Corp W R 2401 N Normandy Ave Chicago 35 Ill
Brunner Div Dunham-Bush Inc 179 South St West Hartford 10 Conn
Buell Mfg Co P O Box 206 Lyons Ill
CP—See Chicago Pneumatic Tool Co.
Campbell-Hausfeld Co 211 Railroad Ave Harrison Ohio "Pressure Maid" "Pressure Princess" "Pressure Queen" "Tankmobile"
Champion Pneumatic Machinery Co 826 N Pleasant St Princeton Ill
Chicago Pneumatic Tool Co., 6 E. 44th St., New York, N. Y. "CP."
Clark Bros Co Lincoln Ave Olean N Y
Cochin Mfg. Co., J. D., 1440 E. Grand Ave., South San Francisco, Cal. "Easy."
Curtis Mfg Co Pneumatic Div 1927 Kienlen Ave St Louis 20 Mo
Davey Compressor Co 600 Franklin Ave Kent Ohio "Hydro-Van"
Dayton Air Compressor Co., 427 Valley St., Dayton 4, Ohio.
Decora Mfg. Co., 1516 Park Ave., Emeryville 8, Calif.
De Vilbiss Co., 300 Phillips Ave., Toledo 1, O.
Easy—See J. D. Cochin Mfg. Co.
Erie Meter Systems Inc 1602 Wayne Ave Erie Pa
Gardner-Denver Co., S. Front St., Quincy, Ill.
Hydro-Vane—See Davey Compressor Co
Ingersoll-Rand Co 11 Broadway New York 4 N Y
Jaeger Machine Co 550 W Spring St Columbus 16 Ohio
Joy Mfg Co 333 Oliver Bldg Pittsburgh 22 Pa
K R W—See K R Wilson Inc
Keystone Compressor Co., 8407 Hegerman St., Holmesburg, Philadelphia 36, Pa.
Le Roi Div Westinghouse Air Brake Co Milwaukee 1 Wis
Lincoln Engrg Co 4010 Goodfellow Blvd St Louis 20 Mo
M & E Mfg Co 2571 Winthrop Ave Indianapolis 5 Ind
National Compressor Corp 933 W Lake St Chicago 7 Ill
Paasche Airbrush Co., 1909 Diversey Parkway, Chicago 14, Ill.
Pioneer Air Compressor Co., 120 Chambers St., New York, N. Y.
Pressure Maid—See Campbell-Hausfeld Co
Pressure Princess—See Campbell-Hausfeld Co
Pressure Queen—See Campbell-Hausfeld Co
Quincy Compressor Co 217 Maine St Quincy Ill
Saylor-Beall Mfg. Co., St. Johns, Mich.
Schramm, Inc., Virginia & Garfield Aves., West Chester, Pa.
Scott Air Compressor Co., 4682 Mulberry St., Philadelphia 24, Pa.
Sharpe Mfg. Co., 1224 Wall St., Los Angeles 15, Cal.
Southwest Pump Co., First and Center Sts., Bonham, Tex.
Sprayit—See Thomas Industries Inc Electric Sprayit Div
Superior Pneumatic & Mfg Inc 4758 Warner Rd Cleveland 25 Ohio "Superior Mity-Mite"
Supreme Equipment Corp 12415 Euclid Ave Cleveland 6 Ohio
Tankmobile—See Campbell-Hausfeld Co
Thomas Industries Inc Electric Sprayit Div 14th & Illinois Sts Sheboygan Wis "Sprayit"
United States Air Compressor Co., 5300 Harvard Ave., Cleveland 5, Ohio.
Weaver Mfg Co 2177 S Ninth St Springfield Ill
Wilson Inc K R Arcade N Y "K R W"
Worthington Corp Harrison N J

COMPRESSORS, Air (Gasoline Engine Driven)

Air Chief—See Davey Compressor Co
American Air Compressor Corp., Dell Ave. & 48th St., North Bergen, N. J.
Blue Brute—See Worthington Corp
Brunner Div Dunham-Bush Inc 179 South St West Hartford 10 Conn
Buell Mfg Co P O Box 206 Lyons Ill
Campbell-Hausfeld Co 211 Railroad Ave Harrison Ohio "Pressure Princess," "Pressure Queen," "Tankmobile"
Chicago Pneumatic Tool Co 6 E 44th St N Y 17 N Y "Power Vane"
Clark Bros Lincoln Ave Olean N Y
Cochin Mfg. Co., J. D., 1440 E. Grand Ave., South San Francisco, Cal. "Easy."
Curtis Mfg Co Pneumatic Div 1927 Kienlen Ave St Louis 20 Mo
Davey Compressor Co 600 Franklin Ave Kent Ohio "Air Chief" "Super Chief"
Dayton Air Compressor Co., 427 Valley St., Dayton 4, Ohio.
Decora Mfg. Co., 1516 Park Ave., Emeryville 8, Calif.
De Vilbiss Co., 300 Phillips Ave., Toledo 1, O.
Easy—See J. D. Cochin Mfg. Co.
Elec-Air—See Power Brake Parts Mfg Co
Gardner-Denver Co., S. Front St., Quincy, Ill.
Hesse Carriage Co 6700 St John St Kansas City 25 Mo "Hesse Hornet"
Ingersoll-Rand Co 11 Broadway New York 4 N Y
Jaeger Machine Co 550 W Spring St Columbus 5 Ohio
Joy Mfg Co 333 Oliver Bldg Pittsburgh 22 Pa
Keystone Compressor Co., 8407 Hegerman St., Holmesburg, Philadelphia 36, Pa.
Le Roi Div Westinghouse Air Brake Co Milwaukee 1 Wis
Lincoln Engrg Co 4010 Goodfellow Blvd St Louis 20 Mo
M & E Mfg Co 2571 Winthrop Ave Indianapolis 5 Ind
Pioneer Air Compressor Co 120 Chambers St N Y 7 N Y
Power Brake Parts Mfg Co 8060 Wheeler Ave Detroit 10 Mich "Elec-Air"
Power Vane—See Chicago Pneumatic Tool Co
Pressure Princess—See Campbell-Hausfeld Co
Pressure Queen—See Campbell-Hausfeld Co
Quincy Compressor Co 217 Maine St Quincy Ill
Saylor-Beall Mfg Co St Johns Mich
Schramm, Inc., Virginia & Garfield Aves., West Chester, Pa.
Scott Air Compressor Co., 4682 Mulberry St., Philadelphia 24, Pa.
Sharpe Mfg. Co., 1224 Wall St., Los Angeles 15, Cal.
Sprayit—See Thomas Industries Inc Electric Sprayit Div
Super Chief—See Davey Compressor Co.
Tankmobile—See Campbell-Hausfeld Co
Thomas Industries Inc Electric Sprayit Div 14th & Illinois Sts Sheboygan Wis "Sprayit"
United States Air Compressor Co., 5300 Harvard Ave., Cleveland 5, Ohio.
Worthington Corp Harrison N J "Blue Brute"

COMPRESSORS, Refrigeration (Auto)

Copeland Refrigeration Corp Short Clinton St Sidney Ohio (Air conditioning)
Tecumseh Products Co Tecumseh Mich (Air conditioning)
York Corp York Pa (Air conditioning)

CONDENSER TESTERS — See Instruments, Electrical Circuit Testing

CONDENSERS, Ignition

American Bosch Corp., 3664 Main St., Springfield 7, Mass.
American Motor Products Co., Fond du Lac, Wis. "Ampco."
Ampco—See American Motor Products Co.
Andrew Parts Mfg Co 32-70 31st St Long Island City 6 N Y
Auto-Lite—See Electric Auto-Lite Co
Blue Streak—See Standard Motor Products, Inc.
D S M Electric Co 6209 John Lodge Expressway Detroit 2 Mich
Delco-Remy Div General Motors Corp 2401 Columbus Ave Anderson Ind
Echlin Mfg Co U S Route 1 Branford Conn
Electric Auto-Lite Co Toledo Ohio "Auto-Lite"
F. & B. Mfg. Co., 4248 W. Chicago Ave., Chicago 51, Ill. "Filko."
Filko—See F. & B. Mfg. Co
GP—See Guaranteed Parts Co.
Guaranteed Parts Co., Seneca Falls, N. Y. "GP"
Holley Carburetor Co 11955 E Nine Mile Rd Warren Mich
Kem Mfg Co 20 Wagaraw Rd Fair Lawn N J
M D Parts Mfg Co 5247 Coffman-Pico Rd Pico Calif
Machined Parts Corp., 6209 Hamilton Ave., Detroit 2, Mich. "Mapco."
Mallory Electric Corp 12416 Cloverdale ave Detroit 4 Mich
Mapco—See Machined Parts Corp.
National Ignition Mfg. Co., 521 W. 23rd St., New York 11, N. Y. "Nimco."
New York Coil Co 42 Second Ave Phoenixville Pa. "Nyco"
Niehoff & Co., C. E., 4925 W. Lawrence Ave., Chicago 30, Ill.
Nimco—See National Ignition Mfg. Co.
Nyco—See New York Coil Co
Paragon Products Corp 140 Astor St Newark 5 N J "Vulcan" (Sole distributors Vulcan Motor Products Inc 1060 Broad St Newark 2 N J)
Preferred Electric & Wire Co., Bush Terminal Bldg. No. 8, Brooklyn 32, N. Y.
Shurhit Products Inc 845 S Market St Waukegan Ill
Sorensen Mfg Co P 32-31 57th St Woodside 77 N Y
Sprague Electric Co 344 Marshall St North Adams Mass
Springfield Electrical Specialties, Inc., 120 Wooster St., New York 12, N. Y. "Superseal."
Standard Motor Products Inc 37-18 Northern Blvd., Long Island City, L. I., N. Y. "Blue Streak," "Standard."
Super Go—See Wells Mfg. Corp.
Superseal—See Springfield Electrical Specialties Inc
Tasco Products Div of Guaranteed Parts Co Seneca Falls N Y
Tungsten Contact Mfg Co 7311 Cottage Ave North Bergen N J
Vulcan—See Paragon Products Corp
Wells Mfg Corp 12 S Brooke St Fond du Lac Wis "Wells" "Super Go"
Wico Electric Co 10 Bliss Ave West Springfield Mass

CONDENSERS, MOTOR RADIO—See Radio Accessories

CONDUIT, Flexible Car Wiring

(Metal and fabric conduit; see also Tubing, Flexible Metallic)

Anaconda Metal Hose Div American Brass Co 698 S Main Street Waterbury 20 Conn "Sealtite"
Atlantic Metal Hose Co 308 Dyckman St New York 34 N Y
Formed Tubes Inc S Prairie & Albert Sts Sturgis Mich
Saylor Electric Products Corp 277 Pierce St Birmingham Mich "Saylorduct"
Saylorduct—See Saylor Electric Products Corp.
Saylor & Son Frank D 13095 Greeley Ave Detroit 3 Mich "Saylortube"
Saylortube—See Frank D Saylor & Son
Sealite—See Anaconda Metal Hose Div
Steelflex—See Universal Metal Hose Co
Universal Metal Hose Co 2133 S Kedzie Ave Chicago 23 Ill "Steelflex"
Wirecut—See Wiremold Co
Wiremold Co Railroad Ave Hartford 10 Conn "Wireduct"
Zippertubing Co 752 S San Pedro St Los Angeles 14 Calif (Plastic zipper cable jacket)

CONES, BALL—See Cups and Cones, Ball

CONNECTING ROD BEARINGS—See Bearings and Bushings, Bronze-Backed; also Bearings and Bushings, Die Cast (Babbitt, etc.)

CONNECTING ROD ALIGNING TOOLS See—Jigs, Connecting Rod Aligning; also Machines, Boring (Main Bearing and Connecting Rod)

CONNECTING ROD BOLTS—See Bolts, Connecting Rod

CONNECTING RODS—See Rods, Connecting

CONNECTIONS, Hose

Amseco Inc 145 S Monterey Ave Villa Park Ill
De Vilbiss Co., 300 Phillips Ave., Toledo 1, O.
Diamond-U Products, 8459 Dearborn Ave., South Gate, Calif.
Druge Bros Mfg Co 888 92nd Ave Oakland 3 Cal "Tru-Flate" (Sole distributors Tru-Flate Inc 888 92nd Ave Oakland 3 Calif)
Eastman Mfg Co 1440 N 24th St Manitowoc Wis
Excello Accessories Mfrs., Inc., 81 Madison Ave., Hempstead, N. Y.
Gates Rubber Co 999 S Broadway Denver 17 Colo
Goodrich Industrial Products Co B F 500 S Main St Akron 18 Ohio
Hewitt-Robins Inc 666 Glenbrook Rd Stamford Conn
Hite Mfg Co 1916 Dayton Blvd North Chattanooga 5 Tenn
Hunt & Son, C. B., 1913 E. Pershing St., Salem, Ohio. "Quick as Wink."
Imperial Brass Mfg Co 6300 W Howard St Chicago 31 Ill
Ingersoll-Rand Co 11 Broadway New York 4 NY
Quick as Wink—See C. B. Hunt & Son.
Republic Gear Co 2197 Beaufait Ave Detroit 7 Mich
Sharpe Mfg. Co., 1224 Wall St., Los Angeles 15, Cal.
Smith Welding Equipment Corp., 2633 Fourth St., S. E., Minneapolis 14, Minn.

CONNECTIONS, Hose—continued

Syracuse Gauge Co PO Box 51 Manlius N Y
Tolman Mfg. Co., 19 W. Third St. (South Boston), Boston 27, Mass.
Tru-Flate—See Druge Bros. Mfg. Co.

CONNECTIONS, RADIATOR—See Hose, Radiator

CONNECTIONS, Steering

Aluminum Industries Inc 3670 Werk Rd Cincinnati 11 Ohio (Tie rods)
Andrew Parts Mfg Co 32-70 31st St Long Island City 6 N Y (Tie rod drag links and intermediate rods)
Buckeye Forging Co 9217 Miles Ave Cleveland 5 Ohio (Rod ends)
Columbus Auto Parts Co Hudson St & P R R Columbus 16 Ohio
Columbus Bolt & Forging Co 291 Marconi Blvd Columbus 15 Ohio
Elgin Machine Works Inc 412 N State St Elgin Ill
Ertel Products Co Repl Div of Ertel Mfg Corp 1402 E 20th St Indianapolis 7 Ind (Tie rod sockets and drag links)
Gilpak Automotive Products Div Packer Auto Parts Inc Roselle N J (Tie rod ends)
Hy-Power—See Lion Auto Parts & Mfg Co
Imerman Screw Products Co 6420 E Lafayette Ave Detroit 7 Mich
Lion Auto Parts & Mfg Co 1920 S Michigan Ave Chicago 16 Ill "Hy-Power" (Tie rod ends and drag links)
McQuay-Norris Mfg. Co., 2320 Marconi Ave., St. Louis, Mo. (Drag links.)
Master Parts Div Airtex Products Inc Fairfield Ill (Tie rod ends and drag links)
Moog Industries Inc 6565 Wells Ave St Louis 32 Mo
National—See Wheel Parts & Mfg Co
Neapco Products Inc South & Cross Sts Pottstown Pa
O & S Bearing & Mfg Co 777 W 8 Mile Rd Whitmore Lake Mich (Tie rods drag links and control linkages)
Parco—See Parts Mfg. Co.
Parts Mfg Co 311 W 66th St New York 23 N Y "Parco" **(Tie rods and drag links)**
Republic Engrg & Mfg Co 6565 Wells Ave St Louis 14 Mo
Saginaw Steering Gear Div General Motors Corp 3900 Holland Rd Saginaw Mich (Linkages)
Superior Machine Tool Co 329 E Firmin St Kokomo Ind (Sectors)
Thompson Products Michigan Div Thompson-Ramo Wooldridge Inc 34201 Van Dyke Ave Warren Mich (Drag links and tie rods)
Toledo Steel Products Div of Thompson Ramo Wooldridge Inc 6402 Cedar Rd Cleveland 3 Ohio
Wheel Parts & Mfg Co 352 Fourth Ave N Y 10 N Y "National" (Tie rod ends and drag links)
Wohlert Corp 700 E Grand River Ave Lansing 5 Mich (Tie rods)

CONNECTIONS, THROTTLE—See Joints, Ball

CONNECTIONS, TUBING—See Fittings, Tube

CONNECTORS, BELT—See Fasteners, Belt

CONNECTORS, Electrical Circuit (Trailer)

(For electrical circuit from truck to trailer)

Autac Inc P O Box 1071 New Haven Conn "Autac Koiled Korda"
Bendix—See Scintilla Div Bendix Aviation Corp
Berg Mfg & Sales Co 1712 S Michigan Blvd Chicago 16 Ill "Berg De Luxe" "Berg Royal" "Berg-Shur-Lock" "Berg Universal"
Cole-Hersee Co., 20 Old Colony Ave., Boston 27, Mass. "Hencol."
Connecticut Telephone & Electric Corp 85 Britannia St Meriden Conn
Griffin Lamp Co Shelby Miss
Hencol—See Cole-Hersee Co.
Joy Mfg Co 333 Oliver Bldg Pittsburgh 22 Pa
K-D Lamp Co 1910 Elm St Cincinnati 10 Ohio
Kliegl Bros. Universal Electric Stage Lighting Co., 321 W. 50th St., New York, N. Y.
Pollak Corp., Joseph, 75 Freeport St., Boston 22, Mass.
Preferred Electric & Wire Co Bush Terminal Bldg #8 Brooklyn 32 N Y
Pyle-National Co., 1334 N. Kostner Ave., Chicago 51 Ill "Triploc" "Pyle National" "Pyle-Star-Lin" "Quel Arc"
Quel Arc—See Pyle-National Co
S & M Lamp Co 2369 E 57th St Los Angeles 54 Calif
Scintilla Div of Bendix Aviation Corp Sidney N J "Bendix"
Triploc—See Pyle-National Co
Whitaker Cable Corp 1301 Burlington Ave North Kansas City 16 Mo
Willard Sales Automotive Div Electric Storage Battery Co P O Box 6266 Cleveland 1 Ohio

CONNECTORS, Lamp (Electric)

A M P Inc Eisenhower Blvd Harrisburg Pa "AMP Faston" (Headlamp)
Cole-Hersee Co., 20 Old Colony Ave., Boston 27, Mass.
Culver-Stearns Mfg Co 181 Greenwood St Worcester 7 Mass
Eagle Electric Mfg. Co., 23-10 Bridge Plaza South Long Island City 1 N Y
Pollak Corp Joseph 75 Freeport St Boston 22 Mass
United-Carr Fastener Corp Statler Office Bldg Boston 16 Mass
Wade Electric Products Co., 211 N. Jacobs St., Sturgis, Mich.
Watts Electric & Mfg Co 222 E Maple Rd Birmingham Mich

CONNECTORS, STORAGE BATTERY — See Parts, Storage Battery

CONNECTORS, TRAILER — See Couplers, Trailer

CONNECTORS, Wiring Harness

AMP Inc Eisenhower Blvd Harrisburg Pa "Fastin-Faston"

CONTACT POINTS—See Points, Contact (Ignition)

CONTACTS, Electrical

Mallory Co P R & Co 76 S Gray St Indianapolis 6 Ind

CONTOUR GRINDING MACHINES—See Machines, Grinding (Contour)

CONTOURING LATHES — See Lathes, Contouring

CONTRACT WORK

(See also Machine Work, To Order; also Screw Machine Products To Order)

Alten Fdry & Machine Works Inc 226 W Wheeling St Lancaster Ohio
Chicago Screw Co Div of Standard Screw Co 2701 Washington Blvd Bellwood Ill
Connecticut Broach & Machine Co 21 Paquot Ave New London Conn (Broaching)
Federal Machine & Welder Co 1745 Cleveland Ave Warren Ohio
Kent-Owens Machine Co 958 Wall St Toledo 10 Ohio
Perfection Gear Co 152nd St & Vincennes Ave Harvey Ill
Pittsburgh Brass Mfg Co 3155 Penn Ave Pittsburgh 1 Pa
Stolper Steel Products Corp 300 Pilgrim Rd Menomonee Falls Wis (Sheet metal)
Western Automatic Machine Screw Co 377 Woodland Ave Elyria Ohio

CONTROL CABLE—See Cable, Brake Control

CONTROLLERS, Electric Motor

Allis-Chalmers Mfg. Co., Milwaukee 1, Wis.
Bristol Co Waterbury 20 Conn
Clark Controller Co 1146 E 152nd St Cleveland 10 Ohio "3C"
Cutler-Hammer, Inc., 362 N. 12th St., Milwaukee 1, Wis.
E C & M—See Electric Controller & Mfg. Co.
Electric Controller & Mfg Co Div of Square D Co 4500 Lee Rd Cleveland 28 Ohio "E C & M"
G-E—See General Electric Co
General Electric Co Apparatus Sales Div 1 River Rd Schenectady 5 N Y "G-E"
3C—See Clark Controller Co
Ward Leonard Electric Co., 37 South St., Mt. Vernon, N. Y.
Weltronic Corp 19500 W 8 Mile Rd Detroit 41 Mich
Westinghouse Electric Corp Motor & Control Div Buffalo N Y

CONTROL SYSTEMS (Electrical)

Dynamatic—See Eaton Mfg Co
Eaton Mfg Co Dynamatic Div 3122 14th Ave Kenosha Wis "Dynamatic" (Magnetic amplifier)
Westinghouse Electric Corp 3 Gateway Center Pittsburgh 30 Pa

CONTROLS, Accelerator

Dow Mechanical Corp Thompsonville Conn "Accel-O-Rest"

CONTROLS, Brake (Hand)

Atwood Vacuum Machine Co 1400 Eddy Ave Rockford Ill
Fawick Brake Div Fawick Corp 9921 Clinton Rd Cleveland 11 Ohio "Fawick-Neate"

CONTROLS, Brake (Trailer)

Bendix Westinghouse Automotive Air Brake Co 901 Cleveland Ave Elyria Ohio (Air)
Mico—See Minnesota Automotive, Inc.
Minnesota Automotive, Inc., 1328 Hennepin Ave., Minneapolis 3, Minn. "Mico."
Power Brake Equipment Co 1632 S E 11th Ave Portland 14 Ore "Williams"
Power Brake Parts Mfg Co 3435 S Racine Ave Chicago 8 Ill
Velvac Inc 3534 W Pierce St Milwaukee 15
Wagner Electric Corp 6400 Plymouth Ave St Louis 33 Mo (Air)
Warner Electric Brake & Clutch Co Beloit Wis
Williams—Power Brake Equipment Co

CONTROLS, Brake (Wheel Spinning)

(Installed in brake system, prevents spinning of one wheel)

Minnesota Automotive Inc 1101 N Front St Mankato Minn "Mico No-Stuck"

CONTROLS, CARBURETOR — See Controls, Carburetor Choke (Automatic); also Controls, Push-Pull

CONTROLS, Carburetor Choke (Automatic)

Bendix Products Div Bendix Aviation Corp South Bend 20 Ind "Stromberg"
Pierce Governor Co 1625 Ohio Ave Anderson Ind "Sisson"
Sisson—See Pierce Governor Co.
Stromberg—See Bendix Products Div., Bendix Aviation Corp.

CONTROLS, Clutch (Power Operated)

Bendix Products Div Bendix Aviation Corp South Bend 20 Ind (Vacuum)
Bendix-Westinghouse Automotive Air Brake Co., 901 Cleveland Ave., Elyria, Ohio. (Air.)

CONTROLS, Engine (Automatic)

(See also Switches)

Asco—See Automatic Switch Co
Automatic Switch Co Hanover Rd Florham Park N J "Asco"
Fulton Sylphon Div Robertshaw-Fulton Controls Co W Cumberland Ave Knoxville 1 Tenn **"Sylphon" (Diesel)**
Murphy Mfr Inc Frank W 3131 S Sheridan St Tulsa Okla
Sylphon—See Fulton Sylphon Div
Synchro-Start Products Inc 3151 N Ridgeway Ave Skokie Ill
United Electric Controls Co 85 School St Watertown 72 Mass

CONTROLS, Gear Shift (For Transmission)

Saginaw Steering Gear Div General Motors Corp 3900 Holland Rd Saginaw Mich

CONTROLS, GENERATOR CURRENT & VOLTAGE — See Regulators, Generator and Voltage (Auto)

CONTROLS, Headlamp Beam (Automatic)

Dynotron Corp Lisbon Ohio
Guide Lamp Div General Motors Corp 25th St & Arrow Ave Anderson Ind "Autronic-Eye"

CONTROLS, HEATER (THERMOSTATIC)—See Thermostats, Heater

CONTROLS, Oil Level

Alvor—See Lunkenheimer Co
Lunkenheimer Co., Beekman St. & Waverly Ave., Cincinnati, Ohio. "Alvor."

CONTROLS, Push-Pull

(For changing adjustments of carburetor from seat or operating choke for starting, exhaust heater, exhaust horn, ventilator, radiator shutter, etc.)

Aldo—See Superior Screw and Mfg Co
American Chain & Cable Co Automotive & Aircraft Div 601 Stephenson Bldg Detroit 2 Mich "Tru-Lay"
Arens Controls Inc 2031 Greenleaf St Evanston Ill
Clum Mfg Co 601 W National Ave Milwaukee 4 Wis.
Imperial Brass Mfg Co 6300 W Howard St Chicago 31 Ill
Kupfrian Mfg Corp 395 State St Binghamton N Y
Lightnin—See R J Loock & Co
Loock & Co R J 843 N Gay St Baltimore Md "Lightnin"
Milwaukee Spring Co Div Illinois Coil Spring Co 3400 S Nevada St Milwaukee 7 Wis
National—See Wheel Parts & Mfg Co
Perfection Automotive Products Corp 925 W Elizabeth St Detroit 1 Mich
Republic Gear Co 2197 Beaufait Ave Detroit 7 Mich
Richland Auto Parts Co 145 Distl Ave Mansfield Ohio (Aircraft automotive etc)
Servwell Products Co 6519 Euclid Ave Cleveland 3 Ohio
Shakespeare Products Co 241 E Kalamazoo Ave Kalamazoo Mich
Simmonds Aerocessories Inc 105 White Plains Rd Tarrytown N Y
Superior Screw & Mfg Co P O Box 436 Crystal Lake Ill "Aldo" (Also manual choke conversions kits)
Teleflex Industrial Products Inc Fourth & Burke Sts Boyertown Pa
Tru-Lay—See American Chain & Cable Co Automotive & Aircraft Div
Weatherhead Co Ft Wayne Div 128 W Washington Blvd Ft Wayne Ind
Western Control Corp 2533 S West St Wichita Kans
Wheel Parts & Mfg Co 352 Fourth Ave N Y 10 N Y "National"

CONTROLS, Refrigeration

A-P—See Controls Co of America
Controls Co of America Air Conditioning Div 2450 N 32nd St Milwaukee 16 Wis "A-P"
Partlow Corp 230 Campion Rd New Hartford N Y (Truck trailer)
United Electric Controls Co 85 School St Watertown 72 Mass (Truck-trailer)

CONTROLS, Remote Power

(For snow plows, road machinery, etc.)

Dyna-Might—See Monarch Road Mchry Co
Gar Wood Industries Inc Wayne Mich "Gar Wood Snowlift" (Fan belt driven for snow plows)
Hy-Lo-Jack—See Monarch Road Mchry Co
Hy-Lo-Jeep—See Monarch Road Mchry Co
Monarch Road Machinery Co 1331 Michigan St N E Grand Rapids 3 Mich "Dyna-Might" "Hy-Lo-Jeep" "Hy-Lo-Jack" (Hydraulic, belt and electrically driven)
Stratton Equipment Co 2030 E 105th St Cleveland 6 Ohio (For off-highway equipment)

CONTROLS, STEERING COLUMN—See Controls, Push-Pull

CONTROLS, Transmission (Push Button)

Standard Products Co 2130 W 110th St Cleveland 2 Ohio

CONTROLS, Turbocharger

Garrett Corp AiResearch Industrial Div 9225 S Aviation Blvd Los Angeles 15 Calif "AiResearch"

CONTROLS, WELDING—See under Welders and Equipment

CONVERTERS, LP-Gas, for Internal Combustion Engines

Algas—See American Liquid Gas Corp
American Liquid Gas Corp 1109 Santa Fe Ave Los Angeles 21 Calif "Algas"
Beam Products Mfg Co 3040 Rosslyn St Los Angeles 65 Calif
Century Gas Equipment Marvel-Schebler Products Div Borg-Warner Corp 625 Southside Dr Decatur Ill
J & S Carburetor Co 2634 N Beckley St Dallas 2 Tex

CONVERTERS, Torque (Hydraulic)

B&B—See Borg & Beck Div Borg-Warner Corp
Borg & Beck Div Borg-Warner Corp 6558 S Menard Ave Chicago 38 Ill "B & B"
Clark Equipment Co Transmission Div 1300 Falahee Rd Jackson Mich "Torcon"
Cotta Transmission Co 2340 11th St Rockford Ill
Dana Corp 4100 Bennett Rd Toledo 1 Ohio "Spicer"
Fuller Mfg Co Transmission Div Prouty St Kalamazoo Mich
Long Mfg Div Borg-Warner Corp 12501 Dequindre St Detroit Mich
Rockwell-Standard Corp Transmission & Axle Div 100 Clark Ave Detroit 32 Mich "Timken-Detroit"
Spicer—See Dana Corp
Timken-Detroit — See Rockwell-Standard Corp
Torcon—See Clark Equipment Co
Twin Disc Clutch Co 1328 Racine St Racine Wis (Truck)
Western Gear Corp 2600 E Imperial Highway Lynwood Calif (Truck)

CONVEYOR CHAINS—See Chains, Conveyor

CONVEYOR FURNACES—See Furnaces, Conveyor

CONVEYORS, Apron

A-F—See Alvey-Ferguson Co.
Acme Conveyor & Oven Co 31465 W 8 Mile Rd Livonia Mich
Alvey Conveyor Mfg Co 9301 Olive St Rd St Louis 24 Mo
Alvey-Ferguson Co 3131 Disney St Oakley Cincinnati 9 Ohio "A-F"
Anchor Steel & Conveyor Co 6900 Kingsley Ave Dearborn Mich
Bartlett & Snow Co., C. O., 6200 Harvard Ave., Cleveland 5, Ohio.
Brady Conveyors Corp 4244 Dempster St Skokie Ill
Buschman Co E W Spring Grove & Clifton Aves Cincinnati 32 Ohio
Chain Belt Co 4733 W Greenfield Ave Milwaukee 1 Wis "Rex"
Gifford-Wood Co 15 Hill St Hudson N Y
Haiss—See Pettibone Mulliken Corp
International Conveyor & Washer Corp., 652 E. Fort St., Detroit 26, Mich.
Jeffrey Mfg Co 846 N 4th St Columbus 16 Ohio
Link - Belt Co Dept 59 - AIPG Prudential Plaza Chicago 1 Ill
Logan Co Cabel St Louisville 6 Ky
Mathews Conveyer Co., 102 Tenth St., Ellwood City, Pa. (Continuous.)
Mechanical Handling Systems Inc 4600 Nancy Ave Detroit 12 Mich
Olson Mfg Co Samuel 2418 Bloomingdale Ave **Chicago 47 Ill**
Palmer-Bee Co 2990 Opdyke Rd Bloomfield Hills Mich
Pettibone Mulliken Corp Pettibone New York Div 1212 E Dominick St Rome N Y "Haiss"
Rex—See Chain Belt Co.
Stephens-Adamson Mfg. Co., 150 Ridgeway St., Aurora, Ill.
Stevens Co., A. T., 118 E. 28th St., New York 16, N. Y.
Union Chain & Mfg Co Sandusky Ohio
Webb Co Jervis B 8925 Alpine Ave Detroit 4 Mich
Webster Mfg Inc Tiffin 16 Ohio

CONVEYORS, Automotive (Floor Type)

Anchor Steel & Conveyor Co 6900 Kingsley Ave Dearborn Mich
Link - Belt Co Dept 59 - AIPG Prudential Plaza Chicago 1 Ill
Webb Co Jervis B 8925 Alpine Ave Detroit 4 Mich

CONVEYORS, Belt

A-F—See Alvey-Ferguson Co.
Acme Conveyor & Oven Co 31465 W 8 Mile Rd Livonia Mich
Alvey Conveyor Mfg Co 9301 Olive St Rd St Louis 24 Mo
Alvey-Ferguson Co 3131 Disney St Oakley Cincinnati 9 Ohio "A-F"
Anchor Steel & Conveyor Co 6906 Kingsley Ave Dearborn Mich
Arr-O—See Arrow Products Inc
Arrow Products Inc S Ferry St Grand Haven Mich ("Arr-O-Mite & "Arr-O-Booster" Portable; "Arr-O-Parts Veyor" portable cleated; "Arr-O-Veyor" & "Arr-O-Veyor Jr" permanent)
Bartlett & Snow Co C O 6200 Harvard Ave Cleveland 5 Ohio
Bonded Scale & Machine Co 83 Bellevue Ave Columbus Ohio
Brady Conveyors Corp 4244 Dempster St Skokie Ill
Buschman Co E W Spring Grove & Clifton Aves Cincinnati 32 Ohio
Chain Belt Co 4733 W Greenfield Ave Milwaukee 1 Wis "Rex"
Fairfield Engrg Co 324 Barnhart St Marion Ohio
Farquhar—See Oliver Corp A B Farquhar Div
Gifford-Wood Co., 15 Hill St., Hudson, N. Y.
Haiss—See Pettibone Mulliken Corp
Hapman Conveyors Inc 630 Gibson St Kalamazoo 6 Mich
Hewitt-Robins Inc 666 Glenbrook Rd Stamford Conn
International Conveyor & Washer Corp 652 E. Fort St., Detroit 26, Mich.
Island Equipment Corp 1090 E 31st Hialeah Fla "Unitized" "Styl-O-Veyor" (Portable)
Jeffrey Mfg Co 846 N 4th St Columbus 16 Ohio
Jensen Inc 9331 Freeland St Detroit 28 Mich
LEW—See Lippmann Engrg Wks Inc
Lamson Corp., 100 Lamson St., Syracuse 1, N. Y
Link - Belt Co Dept 59 - AIPG Prudential Plaza Chicago 1 Ill
Lippmann Engrg Wks Inc 4603 W Mitchell St Milwaukee Wis "LEW"
Logan Co Cabel St Louisville 6 Ky
Mathews Conveyer Co 102 Tenth St Ellwood City Pa
Mechanical Handling Systems, Inc., 4600 Nancy Ave., Detroit, Mich.
Michigan Crane & Conveyor Co 115 N McKinstry St Detroit 9 Mich
Oliver Corp A B Farquhar Div 142 N Duke St York Pa "Farquhar"
Olson Mfg Co Samuel 2418 Bloomingdale Ave Chicago 47 Ill
Palmer-Bee Co 2990 Opdyke Rd Bloomfield Hills Mich
Pettibone Mulliken Corp Pettibone New York Div 1212 E Dominick St Rome N Y "Haiss"
Prab Connveyors Inc 30121 Groesbeck Hwy Roseville Detroit Mich
Rapistan—See Rapids-Standard Co
Rapids-Standard Co Rapistan Bldg Grand Rapids 2 Mich "Rapistan"
Rex—See Chain Belt Co.
Sage Equipment Co 30 Essex St Buffalo 13 N Y
Sheehan Co R T 8070 N Territorial Rd Plymouth Mich (Metal mesh)
Standard Conveyor Co., 315 Second Ave., N. W., North St. Paul 9, Minn.
Stephens-Adamson Mfg. Co., 150 Ridgeway St., Aurora, Ill.
Stevens Co., A. T., 118 E. 28th St., New York 16, N. Y.
Styl-O-Veyor—See Island Equipment Corp.
Union Tool Corp 800 N Detroit St Warsaw Ind
Unitized—See Island Equipment Corp
Webb Co Jervis B 8925 Alpine Ave Detroit 4 Mich
Webster Mfg. Inc., Tiffin 16, Ohio.
Weld-Bilt—See West Bend Equipment Co
West Bend Equipment Co 216 S Water St West Bend Wis "Weld-Bilt"

CONVEYORS, Chain

A-F—See Alvey-Ferguson Co.
Alvey Conveyor Mfg Co 9301 Olive St Rd St Louis 24 Mo
Alvey-Ferguson Co 3131 Disney St Oakley Cincinnati 9 Ohio "A-F"
Anchor Steel & Conveyor Co 6906 Kingsley Ave Dearborn Mich
Bartlett & Snow Co., C. O., 6200 Harvard Ave., Cleveland 5, Ohio.
Buschman Co E W Spring Grove & Clifton Aves Cincinnati 32 Ohio
Chain Belt Co 4733 W Greenfield Ave Milwaukee 1 Wis "Rex"
Farquhar—See Oliver Corp A B Farquhar Div
Gifford-Wood Co 15 Hill St Hudson N Y
Haiss—See Pettibone Mulliken Corp
Hapman Conveyors Inc 630 Gibson St Kalamazoo 6 Mich
International Conveyor & Washer Corp., 652 E. Fort St., Detroit 26, Mich.
Island Equipment Corp 1090 E 31st St Hialeah Fla "Ultimate"
Jeffrey Mfg Co 846 N 4th St Columbus 16 Ohio
Lamson Corp., 100 Lamson St., Syracuse 1, N. Y.
Link - Belt Co Dept 59 - AIPG Prudential Plaza Chicago 1 Ill
Logan Co Cabel St Louisville 6 Ky
Mathews Conveyer Co., 102 Tenth St., Ellwood City, Pa.
Mechanical Handling Systems, Inc., 4600 Nancy Ave., Detroit 12, Mich.

CONVEYORS, Chain—continued

Oliver Corp A B Farquhar Div 142 N Duke St York Pa "Farquhar"
Palmer-Bee Co 2990 Opdyke Rd Bloomfield Hills Mich
Pettibone Mulliken Corp Pettibone New York Div 1212 E Dominick St Rome N Y "Haiss"
Rex—See Chain Belt Co.
Standard Conveyor Co., 315 Second Ave., N. W., North St. Paul 9, Minn.
Stephens-Adamson Mfg. Co., 150 Ridgeway St., Aurora, Ill.
Ultimate—See Inland Equipment Corp.
Webb Co Jervis B 8925 Alpine Ave Detroit 4 Mich
Webster Mfg. Inc., Tiffin 16, Ohio.

CONVEYORS, Chip Handling

Link - Belt Co Dept 59 - AIPG Prudential Plaza Chicago 1 Ill "Teco" "Flexmount"

CONVEYORS, Enameling, Painting and Drying

International Conveyor & Washer Corp., 652 E. Fort St., Detroit 26, Mich.
Link - Belt Co Dept 59 - AIPG Prudential Plaza Chicago 1 Ill "Teco" "Flexmount"
Mathews Conveyer Co., 102 Tenth St., Ellwood City, Pa.
Ross Engrg Div Midland-Ross Corp J O 730 Third Ave New York 17 N Y
Webb Co Jervis B 8925 Alpine Ave Detroit 4 Mich

CONVEYORS, Furnace

Link-Belt Co Dept 59-AIPG Prudential Plaza Chicago 1 Ill

CONVEYORS, Gravity (Roller)

A-F—See Alvey-Ferguson Co.
Alvey Conveyor Mfg Co 9301 Olive St Rd St Louis 24 Mo "Alvey-St Louis"
Alvey-Ferguson Co 3131 Disney St Oakley Cincinnati 9 Ohio "A-F"
Arr-O-Roll—See Arrow Products Inc
Arrow Products Inc S Ferry St Grand Haven Mich "Arr-O-Roll"
Buschman Co E W Spring Grove & Clifton Aves Cincinnati 32 Ohio "Quick Eez"
Farquhar—See Oliver Corp A B Farquhar Div
LEW—See Lippmann Engrg Works
Lamson Corp., 100 Lamson St., Syracuse 1, N. Y.
Lippmann Engrg Wks Inc 4603 W Mitchell St Milwaukee Wis "LEW"
Logan Co Cabel St Louisville 6 Ky
Magline Inc Pinconning Mich "Magliner" (Portable)
Mathews Conveyer Co., 102 Tenth St., Ellwood City, Pa.
Mechanical Handling Systems, Inc., 4600 Nancy Ave., Detroit, Mich.
Michigan Crane & Conveyor Co 115 N McKinstry St Detroit 9 Mich
Oliver Corp A B Farquhar Div 142 N Duke St York Pa "Farquhar"
Olson Mfg Co Samuel 2418 Bloomingdale Ave Chicago 47 Ill
Palmer-Bee Co 2990 Opdyke Rd Bloomfield Hills Mich
Quick Eez—See E W Buschman Co
Rapids-Standard Co Rapistan Bldg Grand Rapids 2 Mich "Rapistan"
Sage Equipment Co 20 Essex St Buffalo 13 N Y
Standard Conveyor Co., 315 Second Ave., N. W., North St. Paul 9, Minn.
Webb Co Jervis B 8925 Alpine Ave Detroit 4 Mich

CONVEYORS, Overhead

(See also Systems, Overhead Conveying)
A-F—See Alvey-Ferguson Co.
Alvey-Ferguson Co 3131 Disney St Oakley Cincinnati 9 Ohio "A-F"
Anchor Steel & Conveyor Co 6906 Kingsley Ave Dearborn Mich
Buschman Co E W Spring Grove & Clifton Aves Cincinnati 32 Ohio "Universal" (Cable)
International Conveyor & Washer Corp., 652 E. Fort St., Detroit 26, Mich.
Island Equipment Corp 1090 E 31st St Hialeah Fla
Jensen Specialties Inc 9331 Freeland St Detroit 28 Mich
Lamson Corp., 100 Lamson St., Syracuse 1, N. Y.
Link - Belt Co Dept 59 - AIPG Prudential Plaza Chicago 1 Ill
Louden Machinery Co., 1102 West Ave., Fairfield, Iowa.
Mathews Conveyer Co., 102 Tenth St., Ellwood City, Pa.
Mechanical Handling Systems, Inc., 4600 Nancy Ave., Detroit 12, Mich.
Palmer-Bee Co Opdyke Rd & Grand Trunk RR Bloomfield Hills Mich
Rapids-Standard Co Rapistan Bldg Grand Rapids 2 Mich "Rapistan-Keystone"
Universal—See E W Buschman Co
Webb Co Jervis B 8925 Alpine Ave Detroit 4 Mich

CONVEYORS, Portable

A-F—See Alvey-Ferguson Co.
Ace—See Oliver Corp A B Farquhar Div
Acme Conveyor & Oven Co 31465 W 8 Mile Rd Livonia Mich
Alvey-Ferguson Co 3131 Disney St Oakley Cincinnati 9 Ohio "A-F"
Baughman Mfg Co Shipman Rd Jerseyville Ill (Belt)
Bonded Scale & Machine Co 83 Bellevue Ave Columbus Ohio
Bosworth Mfg Co 34250 Mills Rd Avon Ohio (Magnetic)
Buschman Co E W Spring Grove Ave & Clifton Ave Cincinnati 32 Ohio "Trojan"
Fairfield Engrg Co 324 Barnhart St Marion Ohio
Farquhar—See Oliver Corp A B Farquhar Div
Haiss—See Pettibone Mulliken Corp
International Conveyor & Washer Corp., 652 E. Fort St., Detroit 26, Mich.
Joy Mfg Co 333 Oliver Bldg Pittsburgh 22 Pa
Lake Shore Inc Iron Mountain Mich
LEW—See Lippman Engrg Wks Inc
Lippmann Engrg Wks Inc 4603 W Mitchell St Milwaukee Wis "LEW"
Little Hustler—See May-Fran Engrg Inc
Mathews Conveyer Co., 102 Tenth St., Ellwood City, Pa.
May-Fran Engrg Inc 1744 Clarkstone Rd Cleveland 12 Ohio "Little Hustler"
Mulkey Co Sam P O Box 270 Lee's Summit Mo (Belt and chain)
Oliver Corp A B Farquhar Div 142 N Duke St York Pa "Ace"
Olson Mfg Co Samuel 2418 Bloomingdale Ave Chicago 47 Ill
Pettibone Mulliken Corp Pettibone New York Div 1212 E Dominick St Rome N Y "Haiss"
Rapids-Standard Co Rapistan Bldg Grand Rapids 2 Mich "Rapistan"
Standard Conveyor Co., 315 Second Ave. N. W., North St. Paul 9, Minn.
Trojan—See E W Buschman Co
Webb Co Jervis B 8925 Alpine Ave Detroit 4 Mich
Wisconsin Foundry & Machine Co., 623 E. Main St., Madison 1, Wis.

CONVEYORS, Power and Free

Link - Belt Co Dept 59 - AIPG Prudential Plaza Chicago 1 Ill
Mechanical Handling Systems Inc 4600 Nancy Ave Detroit 12 Mich
Webb Co Jervis B 8925 Alpine Ave Detroit 4 Mich

CONVEYORS, Spiral Chute

A-F—See Alvey-Ferguson Co.
Alvey Conveyor Mfg Co 9301 Olive St Rd St Louis 24 Mo
Alvey-Ferguson Co 3131 Disney St Oakley Cincinnati 9 Ohio "A-F"
Link - Belt Co Dept 59 - AIPG Prudential Plaza Chicago 1 Ill
Logan Co Cabel St Louisville 6 Ky
Mathews Conveyer Co., 102 Tenth St., Ellwood City, Pa.
Olson Mfg Co Samuel 2418 Bloomingdale Ave Chicago 47 Ill
Standard Conveyer Co 315 Second Ave N W North St Paul 9 Minn

CONVEYORS, Truck and Trailer (Floor Type)

Watson Co H S 1316 67th St Emeryville Calif "Watson-DeWitt Moto-Vator" (Electric)

CONVEYORS, Under Floor Tow

Anchor Steel Conveyor Co 6900 Kingsley Ave Dearborn Mich
Link - Belt Co Dept 59 - AIPG Prudential Plaza Chicago 1 Ill
Mechanical Handling Systems Inc 4600 Nancy Ave Detroit 12 Mich "MHS"

COOLANT SUPPLY SYSTEMS (Mist)

Bijur Lubricating Corp 151 W Passaic St Rochelle Park N J "Bijur Spraymist"
Black Diamond Saw & Machine Works 81 North Ave Natick Mass "Spraymist" (Sole distributors Edward Blake Co 570 Pleasant St Watertown 72 Mass)
De Vilbiss Co 300 Phillips Ave Toledo 1 Ohio
Sealol Corp Warwick Industrial Park Providence 5 R I
Trico Fuse Mfg Co 2948 N Fifth St Milwaukee 12 Wis

COOLERS, Automobile

(See also Air Conditioning Units, Auto, Truck, Bus and Trailer)
BEW Corp 3055 E 12th St Los Angeles 23 Calif
G & S Mfg Corp 2824 E Washington St Phoenix Ariz "Idler" (Sole distributors Idler Products Co 2824 E Washington St Phoenix Ariz)
Idler—See G & S Mfg Co
Kab Kool—See Metal Products Engrg Inc
Metal Products Engineering Inc 4000 Long Beach Ave Los Angeles 58 Calif "Kab Kool"
Thermador Electrical Mfg. Co., 5119 District Blvd., Los Angeles 22, Cal.

COOLERS, Jacket Water (Oil or Gas)

Young Radiator Co 709 S Marquette St Racine Wis

COOLERS, Oil

(For engine oil coolers—See Regulators) Oil Temperature (Engine)
G & O Mfg Co 138 Winchester Ave New Haven 8 Conn
Harrison Radiator Div General Motors Corp Washburn & Walnut Sts Lockport N Y (Transmission)
Long Mfg Div Borg-Warner Corp 12501 Dequindre St Detroit 12 Mich
Modine Mfg Co 1500 De Koven Ave Racine Wis (Transmission)
Young Radiator Co 709 S Marquette St Racine Wis

COOLERS, Torque Converter

Young Radiator Co 709 S Marquette St Racine Wis

COPPER ALLOYS—See Alloys, Copper

COPPER, ROD AND SHEET—See Brass and Copper, Sheet, Rod and Ingot

COPPER TUBE—See Tubing, Brass and Copper

COPPERS, SOLDERING—See Irons, Soldering

COPYING LATHES—See Lathes, Copying

CORD, Service (Portable Tool)

General Cable Corp 730 Third Ave N Y 17 N Y
General Electric Co Accessory Equip Dept Component Products Div 1285 Boston Ave Bridgeport 2 Conn
Packard Electric Div General Motors Dana St Warren Ohio "Packard Flex-o-Cord"
Simplex Wire & Cable Co., 79 Sidney St., Cambridge 39, Mass. "Tirex."
Tirex—See Simplex Wire & Cable Co.
Triple-A-Specialty Co 2835 N Western Ave Chicago 18 Ill
White, Inc., J. M., 11th & Cambria Sts., Philadelphia 33, Pa.

CORD, Tire

(For use in manufacture of tires)
Firestone Tire & Rubber Co 1200 Firestone Parkway Akron Ohio (Cotton nylon and rayon)
General Tire & Rubber Co Englewood & Holmes Ave Akron 9 Ohio "Nygen"
Industrial Rayon Corp., 660 Union Commerce Bldg., Cleveland 1, Ohio. "Tryon" (Rayon.)
Nygen—See General Tire & Rubber Co
Tryon—See Industrial Rayon Corp.
United States Rubber Co Rockefeller Center 1230 Ave of the Americas New York 20 N Y

CORE COMPOUNDS—See Compounds, Core

CORE HOLE PLUGS—See Plugs, Core Hole and Expansion

CORE MAKING MACHINES—See Machines, Core Making (Foundry)

CORED BARS—See Metals, Bearing

CORES, GENERATOR—See Parts, Generator

CORES, Radiator

Auto Radiator Mfg. Co., 2901 Indiana Ave., Chicago, Ill. "Eureka."

Beacon Auto Radiator Co 110 Brookline Ave Boston 15 Mass
Blackstone Corp 1111 Allen St Jamestown N Y
Daniel Radiator Mfg Co 5542 Harvey Wilson Ave Houston 20 Tex "Gold Seal"
Eskimo Radiator Mfg Co 649 Ceres St Los Angeles 21 Calif
Eureka—See Auto Radiator Mfg Co
G & O Mfg. Co., 138 Winchester Ave., New Haven, Conn.
General Radiator Co P O Box 28 Mt Vernon Ill
Gold Seal—See Daniel Radiator Mfg Co
Harrison Radiator Div., General Motors Corp., Washburn & Walnut Sts., Lockport, N. Y.
McCord Corp Riopelle at E Grand Blvd Detroit 11 Mich
Modine Mfg Co 1509 DeKoven Ave Racine Wis
Paragon Auto Radiator Corp 51 Rutledge St Brooklyn 11 N Y
Young Radiator Co 709 S Marquette St Racine Wis

CORES, VALVE—See Valve Cores (Tire)

CORK, Sheet

Armstrong Cork Co Industrial Div 7011 Imperial Ave Lancaster Pa
Auburn Mfg Co Pease Ave & Stack St Middletown Conn
Chicago Cork Works Co 6001 Gross Point Rd Niles Ill
Detroit Gasket & Mfg. Co., 12640 Burt Rd., Detroit 23, Mich. "Korkoid." (Cork and fibre.)
Fel-Pro—See Felt Products Mfg. Co.
Felt Products Mfg Co 7450 N McCormick Blvd Skokie Ill "Fel-Pro"
Korkoid—See Detroit Gasket & Mfg Co
Mitchell & Smith Div Sheller Mfg Corp 8900 Hampton Blvd Norfolk 5 Va
Mundet Cork Corp., 7101 Tonnelle Ave., North Bergen, N. J.
Rhopac Inc 3425 Cleveland St Skokie Ill
Sure-Rite Products Corp 2731 N Sixth St Philadelphia 33 Pa
Sutherland Leather & Felt Co 743 Beaubien St Detroit 26 Mich

CORK WASHERS—See Gaskets, Cork

CORKS, Brake and Clutch Insert

Armstrong Cork Co Industrial Div 7011 Imperial Ave Lancaster Pa
Mundet Cork Corp., 7101 Tonnelle Ave., North Bergen, N. J.

COTTER PINS—See Pins, Cotter

COUNTERBORES

Bicknell-Thomas Co Box 431 Greenfield Mass
Chicago-Latrobe 426 W Ontario St Chicago 10 Ill
Cleveland Twist Drill Co 1242 E 49th St Cleveland 14 Ohio
Ex-Cell-O Corp Continental Tool Works Div 1200 Oakman Blvd Detroit 32 Mich
Morse Twist Drill & Machine Co 163 Pleasant St New Bedford Mass
Rex-Hide Brake Lining Co 515 Prospect St East Orange N J (Brake lining)
Severance Tool Industries Inc 711 Iowa Rd Saginaw Mich (Chatterless)
Wesson Co 12200 Woodward Heights Blvd Ferndale 20 Mich (Carbide)
Whitman & Barnes Div of United Greenfield Corp 400 85 Plymouth Rd Plymouth Mich

COUNTERS, Engine Revolution (Auto)

Stewart-Warner Corp Instrument Div 1826 Diversey Parkway Chicago Ill
Veeder-Root, Inc., 20 Sargeant St., Hartford 2, Conn.

COUNTERS, Revolution (Machinery)

(For counting automatic output)

Bristol Co Waterbury 20 Conn
Durant Mfg Co 1955 N Buffum St Milwaukee 1 Wis "Productimeter" "Durant"
Engler Instrument Co 250 Culver Ave Jersey City 5 N J
Productimeter—See Durant Mfg. Co.
Veeder-Root, Inc., 20 Sargeant St., Hartford 2, Conn.

COUNTERSHAFTS

Brown Corp., 213 Bellevue Ave., Syracuse, N. Y.
Link - Belt Co Dept 59 - AIPG Prudential Plaza Chicago 1 Ill
Webster Mfg. Inc., Tiffin 16, Ohio.

COUNTERSINKS

Bicknell-Thomas Co Box 431 Greenfield Mass
Chicago-Latrobe 426 W Ontario St Chicago 10 Ill
Cleveland Twist Drill Co 1242 E 49th St Cleveland 14 Ohio
Micro-Limit Products Inc 12970 W Eight Mile Rd Oak Park 37 Mich
Millers Falls Co 57 Wells St Greenfield Mass
Morse Twist Drill & Machine Co 163 Pleasant St New Bedford Mass
Severance Tool Industries Inc 711 Iowa Rd Saginaw Mich (Chatterless)
W & B—See Whitman & Barnes Div
Whitman & Barnes Div of United Greenfield Corp 400 85 Plymouth Rd Plymouth Mich "W & B"

COUPLERS, Trailer

Acme Mfg Co 1406 Agnes St Kansas City 27 Mo
Atwood Vacuum Machine Co 1400 Eddy Ave Rockford Ill
Austin Trailer Equipment Co., 1148 W. Western Ave., Muskegon, Mich.
Back-In Hitch—See Hammer Blow Tool Co.
Baker Hitch-Master—See Independent Iron Works Inc
Big Boy Products Div of Dalton Foundries Inc Lincoln & Jefferson Sts Warsaw Ind
Boltfast—See Elkhart Welding & Boiler Works Inc
Bull Dog—See Hammer Blow Tool Co.
Burch Corp 326 S Thoman St Crestline Ohio "Quick Mount"
Colson Corp Elyria Ohio
Draw-Tite Co Belleville Mich (Utility)
Eagle—See Utility Tool & Body Co
Elkhart Welding & Boiler Works Inc 2132 S Main St Elkhart Ind "Boltfast"
Fulton Co., 1912 S. 82nd Ave., Milwaukee 14, Wis.
Hammer Blow Tool Co., 602½ Third St., Wausau, Wis. "Bull Dog." "Back-In Hitch."
Holland Hitch Co., 430 W. 18th St., Holland, Mich.
Ideal Mfg Co 1107 S 7th St Oskaloosa Iowa
Independent Iron Works Inc 8th & Pine Sts Oakland 20 Calif "Baker Hitch-Master"
McCabe Power Body Co 5900 N Broadway St Louis 15 Mo
McKay Co., 1005 Liberty Ave., Pittsburgh 22, Pa. "McKay Klip Lock." (Emergency chain.)
Marvel Industries Inc Sturgis Mich (House trailer)
Mercury Mfg Co 4700 W Division St Chicago 51 Ill
Premier Mfg Co 4434 S E 25th Ave Portland 2 Ore
Quick Mount—See Burch Corp
Rapids Equipment Co B Ave & Sixth St N W Cedar Rapids Iowa (Cabin; sole distributors, Rapids Products Co., 220 Sixth St., N. W., Cedar Rapids, Iowa.)
Slimp Axle Products Highway 99 West (P. O. Box 449) Colton Calif
Utility Tool & Body Co 151 E 16th St Clintonville Wis "Eagle"
Valley Tow-Rite Industries 27 E Vine St Lodi Calif
Weber Trailer & Mfg Co 8400 E Slauson Ave Rivera Calif (Mailing address P O Box 2472 Los Angeles 34 Calif)

COUPLINGS, BELT—See Fasteners, Belt

COUPLINGS, COMPRESSION — See Fittings Tube

COUPLINGS, Electro-Magnetic

Eaton Mfg Co Dynamatic Div 3122 14th Ave Kenosha Wis "Dynamatic"

COUPLINGS, Flexible

(See also Joints, Universal)

Airflex—See Falk Corp
Ajax Flexible Coupling Co Portage & English Sts Westfield N Y "Ajax" "Ajax-Dihedral"
Apex Machine & Tool Co 1025 Patterson Blvd Dayton Ohio
Baush Machine Tool Co 156 Wason Ave Springfield 7 Mass
Boston Gear Works Div Murray Corp 14 Hayward St Quincy 71 Mass
Brown Engineering Co 131 N 3rd St Reading Pa "Buffer-Slot" "Kanti-Lever"
Buffer-Slot—See Brown Engineering Co
Bushings Inc 4358 Coolidge Highway Royal Oak Mich "Vibraflex"
Chain Belt Co 4733 W Greenfield Ave Milwaukee 1 Wis "Rex"
Chicago Die Casting Mfg. Co., 2510 W. Monroe St., Chicago 12, Ill.
Clevite Harris Products Inc Lockwood Rd Milan Ohio "Hyperbloc" "Silentbloc"
Climax Metal Products Co 863 E 140th St Cleveland 10 Ohio
Congress Die Casting Div Tann Corp 3750 E Outer Drive, Detroit, Mich.
Cullman Wheel Co., 1344 Altgeld St., Chicago 14, Ill.
Diamond Chain Co., 402 Kentucky Ave., Indianapolis 7, Ind
Dodge Mfg Corp 500 Main St Mishawaka Ind "Flexidyne" "Dodge Para-Flex"
Falk Corp Milwaukee Wis "Airflex" & "Steelflex" (Shaft)
Farrel-Birmingham Co 97 Main St Ansonia Conn "Farrel Gearflex"
"Fast's"—See Koppers Co
Flexidyne—See Dodge Mfg Corp
Francke—See John Waldron Corp.
Hyperbloc—See Clevite Harris Products Inc
Jones Machinery Div Hewitt-Robins Inc 4401 Rousevelt Rd Chicago 24 Ill
Kanti-Lever—See Brown Engineering Co.
Koppers Co Metal Products Div 200 Scott St Baltimore 3 Md "Fast's" (Self-aligning)
Kupfrian Mfg Corp 395 State St Binghamton N Y
Link - Belt Co Dept 59 - AIPG Prudential Plaza Chicago 1 Ill
Lord Mfg. Co., 1635 W. 12th St., Erie, Pa.
Lovejoy Flexible Coupling Co 5000 W Lake St Chicago 44 Ill
Marmon Div Aeroquip Corp 11214 Exposition Blvd Los Angeles 6 Calif
Morflex—See Morse Chain Co
Morse Chain Co Ithaca N Y "Morflex"
Philadelphia Gear Works, Erie Ave. & G St. Philadelphia 34, Pa.
Ramsey Chain Co., Troy Rd., Albany, N. Y
Rex—See Chain Belt Co
Root Co., B. M., Prospect & Sherman Sts., York, Pa.
Sier-Bath Gear & Pump Co 9252 Hudson Blvd North Bergen N J
Silentbloc—See Clevite Harris Products Inc
Steelflex—See Falk Corp
Union Chain & Mfg Co Sandusky Ohio
Vibraflex—See Bushings Inc
Waldron Corp John P O Box 791 New Brunswick N J "Francke" "Waldron"
Whitney Chain Co 237 Hamilton St Hartford 2 Conn
Wood's Son Co T B Chambersburg Pa "Wood's Sure-Flex"

COUPLINGS, Fluid Line

Aeroquip Corp 300 S East Ave Jackson Mich
Aro Equipment Corp Bryan Ohio
Hansen Mfg Co 4031 W 150th St Cleveland 35 Ohio

COUPLINGS, Fluid (Machinery)

Link - Belt Co Dept 59 - AIPG Prudential Plaza Chicago 1 Ill
Twin Disc Clutch Co., 1328 Racine St., Racine, Wis.

COUPLINGS, Fluid, Torque Converter (Truck)

Fuller Mfg Co Transmission Div Prouty St Kalamazoo Mich

COUPLINGS, GENERATOR—See Couplings, Magneto, Generator and Water Pump

COUPLINGS, Magneto, Generator and Water Pump

American Bosch Div American Bosch Arma Corp 3664 Main St Springfield 7 Mass (Magneto)
Hardy Mfg Corp W Pearl St Union City Ind
Porter Co H K Thermoid Div 200 Whitehead Rd Trenton 6 N J "Thermoid"
Thermoid—See H K Porter Co Thermoid Div

COUPLINGS, TUBE—See Fittings, Tube

COVERINGS, Floor (Bus or Truck)

Armoflor—See Armstrong Cork Co., Industrial Div.
Armstrong Cork Co Industrial Div 7011 Imperial Ave Lancaster Pa "Armstrong's" "Armoflor" "Traffex" (Linoleum; "Automat" vinyl for station wagons)
Automat—See Armstrong Cork Co., Industrial Div.
Moore & Co., Samuel, Mantua, Ohio. "Rub-Bub." (Synthetic rubber.)
Rub-Bub—See Samuel Moore & Co.
Traffex—See Armstrong Cork Co.

COVERS, AUTOMATIC RADIATOR — See Shutters, Radiator

COVERS, Oil Hole

(Stamped or turned metal dustproof covers for oil holes)

Bay State Stamping Co., 372 Chandler St., Worcester, Mass. "Bennett."
Bennett—See Bay State Stamping Co.
Bowen Products Corp Auburn N Y
Gits Bros. Mfg. Co., 1846 S. Kilbourn Ave., Chicago 23, Ill.
Hill Nut Co., 2620 W. Flournoy St., Chicago 12, Ill.
Kickhaefer Mfg Co 903 S Second St Milwaukee 4 Wis

COVERS, Storage Battery

Ace—See American Hard Rubber Co.
American Hard Rubber Co Div Amerace Corp Ace Rd Butler N J "Ace"
Gould-National Batteries inc Industrial Div 467 Calhoun St Trenton 7 N J
Richardson Co 2667 Lake St Melrose Park Ill "Valvseal"
Stokes Molded Products Div of Electric Storage Battery Co Taylor & Webster Sts Trenton 4 N J (Rubber and plastic)
Valvseal—See Richardson Co

COWLS

Champion Sheet Metal Co 3 Squires St Cortland N Y (To order)
Cutler Metal Products Co., 1025 Line St. Camden, N. J.
Stolper Steel Products Corp 300 Pilgrim Rd Menomonee Falls Wis
Western Metal Specialty Div Western Industries Inc 1213 N 62nd St Milwaukee 13 Wis
York Corrugating Co Adams St & W Md R R York Pa

CRANES, Crawler and Truck Mounted

American Hoist & Derrick Co 2511 W Taylor St Fort Wayne 1 Ind
Bantam—See Schield Bantam Co
Hanson Clutch & Machinery Co Wall & Miami Sts Tiffin 15 Ohio
Hughes-Keenan Div U S Air Conditioning Corp P O Box 360 Delaware Ohio
Hyster Co 2902 N E Clackamas St Portland 8 Ore
Link-Belt Speeder Corp., 1201 Sixth St., S. W., Cedar Rapids, Iowa.
Memco 1007 N W 36th St Oklahoma City 18 Okla
Schield Bantam Co Waverly Iowa "Bantam"
Silent Hoist & Crane Co 841 63rd St Brooklyn 20 N Y
Star Machine & Tool Co 201 6th St SE Minneapolis 14 Minn
Stratton Equipment Co 2030 E 105th St Cleveland 6 Ohio

CRANES, Electric Traveling

Borg-Warner Industrial Cranes 1536 S Paulina St Chicago 8 Ill
Cleveland—See Heavy Machine Div Cleveland Crane & Engrg Co
Cleveland Tramrail—See Cleveland Crane & Engrg Co
Cleveland Crane & Engineering Co 5866 E 283rd St Wickliffe Ohio "Cleveland Tramrail" (Under-running)
Conco Engineering Works, Div. of H. D Conkey & Co., Mendota, Ill.
Detroit Hoist & Machine Co 8216 Morrow St Detroit 11 Mich
Euclid Crane & Hoist Co., Euclid, Ohio.
Harnischfeger Corp 4400 W National Ave Milwaukee 14 Wis "P & H" (Overhead)
Heavy Machine Div Cleveland Crane & Engrg Co 5867 E 289th St Wickliffe Ohio "Cleveland" (Overhead)
Louden Machinery Co., 1102 West Ave., Fairfield, Iowa.
Manning Maxwell & Moore Inc Shaw-Box Crane & Hoist Div Park & Broadway Muskegon Mich
Michigan Crane & Conveyor Co 115 N McKinstry St Detroit 9 Mich
Morgan Engineering Co Broadway & C & PRR Alliance Ohio (Overhead)
Northern Engineering Wks 210 Chene St Detroit 7 Mich
P. & H.—See Harnischfeger Corp.
R & M—See Robbins & Myers, Inc.
Reading Crane & Hoist Corp 2140 Adams St Reading Pa
Robbins & Myers, Inc., 1345 Lagonda Ave., Springfield, Ohio. "R & M."
Round & Son David Box 883 Cleveland 22 Ohio (Overhead)
Shepard Niles Crane & Hoist Corp Montour Falls N Y
Whiting Corp 157th & Lathrop Sts Harvey Ill
Wright Hoist Div of American Chain & Cable Co York Pa

CRANES, Hand Traveling

Borg-Warner Industrial Cranes 1536 S Paulina St Chicago 8 Ill
C-M—See Chisholm-Moore Hoist Div
Chisholm-Moore Hoist Div Columbus McKinnon Chain Corp Fremont Ave Tonawanda N Y "C-M"
Cleveland Crane & Engineering Co 5866 E 283rd St Wickliffe Ohio "Cleveland Tramrail"
Conco Engineering Works, Div. of M. D. Conkey & Co., Mendota, Ill.
Detroit Hoist & Machine Co 8216 Morrow St Detroit 11 Mich
Euclid Crane & Hoist Co Euclid Ohio
Harnischfeger Corp 4400 W National Ave Milwaukee 14 Wis "P & H"
Harrington Co Gravers Rd at Turnpike Plymouth Meeting Pa
Louden Machinery Co., 1102 West Ave., Fairfield, Iowa.
Manning Maxwell & Moore Inc Shaw-Box Crane & Hoist Div Park & Broadway Muskegon Mich
Northern Engineering Works 210 Chene St Detroit 7 Mich
P & H—See Harnischfeger Corp.
R & M—See Robbins & Myers, Inc.
Reading Crane & Hoist Corp 2140 Adams St Reading Pa
Robbins & Myers, Inc., 1345 Lagonda Ave., Springfield, Ohio. "R & M."
Round & Son David Box 883 Cleveland 22 Ohio (Overhead)
Shepard Niles Crane & Hoist Corp Montour Falls N Y
Speidel Elevator Corp W Buttonwood & Gordon Sts Reading Pa
Stratton Equipment Co 2030 E 105th St Cleveland 6 Ohio
Whiting Corp 157th & Lathrop Sts Harvey Ill
Wright Hoist Div. of American Chain & Cable Co., York, Pa.

CRANES, Mobile (Gasoline or Diesel Operated)

Austin-Western—See Baldwin-Lima-Hamilton Corp)
Baldwin-Lima-Hamilton Corp Philadelphia Bank Bldg Philadelphia 7 Pa "Austin-Western" (Gasoline)
Hanson Clutch & Machinery Co., Wall & Miami Sts., Tiffin 15, Ohio.
Harnischfeger Corp 4400 W National Ave Milwaukee 14 Wis "P & H" (Gasoline)
Hughes-Keenan Div U S Air Conditioning Corp P O Box 360 Delaware Ohio "Roustabout"
Hyster Co 2902 N E Clackamas St Portland 8 Ore
Karri-Go—See Silent Hoist & Crane Co
Krane Kar—See Silent Hoist & Crane Co
Lift-O-Crane—See Silent Hoist & Crane Co
P & H—See Harnischfeger Corp.
Roustabout—See Hughes-Keenan Div
Silent Hoist & Crane Co 841 63rd St Brooklyn 20 N Y "Krane Kar" "Karri-Go" "Lift-O-Crane" (Gasoline)

CRANES, Monorail

American Monorail Co., 13107 Athens Ave., Cleveland 7, Ohio.
Borg-Warner Industrial Cranes 1536 S Paulina St Chicago 8 Ill
Cleveland Crane & Engrg Co 5866 E 283rd St Wickliffe Ohio
Detroit Hoist & Machine Co 8216 Morrow St Detroit 11 Mich
Harnischfeger Corp 4400 W National Ave Milwaukee Wis "P & H"
Louden Machinery Co., 1102 West Ave., Fairfield, Iowa.
Northern Engineering Works 210 Chene St Detroit 7 Mich
P & H—See Harnischfeger Corp

CRANES, Portable (Electrically Operated)

Barrett-Cravens Co 630 Dundee Rd Northbrook Ill
Elpar—See Elwell-Parker Electric Co
Elwell-Parker Electric Co 4205 St Clair Ave Cleveland 3 Ohio "Elpar" (Also gas-electric)
L-S—See Lewis-Shepard Products Inc
Lewis-Shepard Products Inc 1050 Walnut St Watertown 72 Mass "L-S"
Sasgen Derrick Co., 3101 W. Grand Ave. Chicago 22, Ill.

CRANES, Portable (Hand Operated)

(See also Blocks or Hoists, Chain)

Baker Mfg. Co., 154 W. Water St., Kankakee, Ill. "Hercules."
Blue Heron—See Cam Tool Co.
Borg-Warner Industrial Cranes 1536 S Paulina St Chicago 8 Ill
C-M—See Chisholm-Moore Hoist Div
Cam Tool Co 1038 Larkin St San Francisco Calif "Blue Heron"
Chisholm-Moore Hoist Div Columbus McKinnon Chain Corp Fremont Ave Tonawanda N Y "C-M"
Hercules—See Baker Mfg. Co.
Houdaille Industries Inc Manzel Div 315 Babcock St Buffalo 10 N Y (Hydraulic)
L-S—See Lewis-Shepard Products Inc
Lempco Products, Inc., 5490 Dunham Rd., Bedford, Ohio. (Hydraulic.)
Lewis-Shepard Products Inc 1050 Walnut St Watertown 72 Mass "L-S"
Manley Div Douglas Motors Inc 1234 N 62nd St Milwaukee 13 Wis
Manning Maxwell & Moore Inc Shaw-Box Crane & Hoist Div Park & Broadway Muskegon Mich
Round & Son David Box 883 Cleveland 22 Ohio (Hydraulic)
Ruger Equipment Inc 615 W 4th St Uhrichsville Ohio (Hydraulic)
Sasgen Derrick Co 3101 W Grand Ave Chicago 22 Ill
Star Machine & Tool Co 201 6th St Minneapolis 14 Minn (Hydraulic)
Unit Mfg Co 1229 Harmon Pl Minneapolis 3 Minn

CRANES, Service Truck

Anthony Co Streator Ill
Auto Truck Steel Body Co 3040 Carroll Ave Chicago 12 Ill
Blue Heron—See Cam Tool Co.
Burtchaell Heating Co 2944 S E Powell Blvd Portland 2 Ore "Pacific" (Electric)
Cam Tool Co 1038 Larkin St San Francisco Calif "Blue Heron"
Cemco Industries Inc Galion O (Fifth wheel)
Gar Wood Industries Inc Wayne Mich
Guibert Steel Co 4001 Windgap Ave Pittsburgh 4 Pa "Sup-R-Guy"
Hitco—See Howell Industrial Truck Co
Holmes Co Ernest 2506 E 43rd St Chattanooga 7 Tenn
Howell Industrial Truck Co 1083 Erie Cliff St Cleveland 7 Ohio "Hitco"
Manley Div Douglas Motors Inc 1234 N 62nd St Milwaukee 13 Wis
Pacific—See Burtchaell Heating Co.
Ruger Equipment Inc 615 W 4th St Uhrichsville Ohio (Hydraulic)
Sasgen Derrick Co., 3101 W. Grand Ave., Chicago 22, Ill.
Silent Hoist & Crane Co 841 63rd St Brooklyn 20 N Y
Stimmel Winch Co., 37-24 33rd St., Long Island City 1, N. Y.
Stratton Equipment Co 2030 E 105th St Cleveland 6 Ohio
Sup-R-Guy—See Guibert Steel Co
Unit Mfg Co 1229 Harmon Pl Minneapolis 3 Minn
Ven Corp 2828 Newell St Los Angeles 39 Calif (Electric)
Watson Co H S 1316 67th St Emeryville Calif "Watson Tow Master" (Fifth wheel)
Weld-Built Body Co 5903 Preston Court Brooklyn 34 N Y

CRANKCASE ATTACHMENTS—See Cleaners, Air (Crankcase Breather), also Plugs, Crankcase Drain

CRANKING MOTORS—See Motors, Starting (Air); also Motors, Starting (Electric)

CRANKPIN GRINDING MACHINES — See Machines, Grinding (Crankpin)

CRANKSHAFT BEARING GRINDING MACHINES—See Machines, Grinding (Crankshaft)

CRANKSHAFTS, Cast

Campbell Wyant & Cannon Foundry Co Muskegon Mich "Proferall"

CRANKSHAFTS, Finished

(For crankshafts in the rough—see Crankshafts [Forgings])

Atlas Industries Inc 2000 E Main St Woodville Ohio
Continental Motors Corp., Muskegon 82, Mich.
Ohio Crankshaft Co., 3800 Harvard Ave. Cleveland 5 Ohio

CRANKSHAFTS (Forgings)

Bethlehem Steel Co., Bethlehem, Pa.
Finkl & Sons Co., A., 2011 Southport Ave., Chicago 14, Ill. "Mo-Lyb-die."
Ladish Co., 5481 S Packard Ave Cudahy Wis
Mo-Lyb-die—See A. Finkl & Sons Co.
Park Drop Forge Co 777 E 79th St Cleveland 3 Ohio
Steel Improvement & Forge Co 970 E 64th St Cleveland 3 Ohio
Transue & Williams Steel Forging Corp 562 Ely St Alliance Ohio
Unit Drop Forge Div of Fuller Mfg Co 1903 S 62nd St Milwaukee 1 Wis
Williams & Co., J. H., 400 Vulcan St., Buffalo 7, N. Y.
Willys Motors Inc Drop Forge Div N Cove Rd Toledo 1 Ohio
Wyman-Gordon Co 105 Madison St Worcester 1 Mass
Wyman-Gordon Co Ingalls-Shepard Div 14600 Wood St Harvey Ill

CRIMPING MACHINES — See Machines, Crimping

CRIMPING TOOLS—See Tools, Crimping

CUPS, Leather

Auburn Mfg. Co., Pease Ave. & Stack St., Middletown, Conn.
Burgess Leather Co., A. E., Brigham Hill Rd., Grafton, Mass.
Chicago Rawhide Mfg Co 1301 Elston Ave Chicago 22 Ill "Sirvis"
Circle Z RFD #2 Promfret Center Conn
Excelsior Leather Washer Mfg. Co., 720 Chestnut St., Rockford, Ill. "X-L."
Garlock Packing Co 402 Main St Palmyra N Y
Graton & Knight Co., 356 Franklin St., Worcester 4, Mass.
Marsh Co., Charles W., 32 Hudson St., Muskegon, Mich. "Thermo."
Rhoads & Sons, J. E., 35 N. Sixth St., Philadelphia 6, Pa.
Sirvis—See Chicago Rawhide Mfg Co
Thermo—See Charles W. Marsh Co.
X-L—See Excelsior Leather Washer Mfg. Co.

CUPS, Oil and Grease

American Stamping Co 310 E Burnham St Battle Creek Mich
Gits Bros Mfg Co 1846 S Kilbourne Ave Chicago 23 Ill (Oil)
Link-Belt Co Dept 59-AIPG Prudential Plaza Chicago 1 Ill (Grease)

CUPS, Priming

Dole Valve Co 6201 Oakton St Morton Grove Ill
Imperial Brass Mfg Co 6300 W Howard St Chicago 31 Ill
Lincoln Brass Works 2067 12th St Detroit 16 Mich

CUPS and CONES, Ball

Crosby Co., 183 Pratt St., Buffalo, N. Y.

CURRENT REGULATORS — See Regulators Generator Current & Voltage (Auto)

CUSHIONS, Die

Bliss Co E W 1375 Raff Rd S W Canton O "Bliss-Marquette"
Clearing Div of U S Industries Inc 6499 W 65th St Chicago 38 Ill
Danly Machine Specialties Inc 2100 S Laramie Ave Cicero Chicago 50 Ill
Federal Machine & Welder Co 1745 Overland Ave Warren Ohio "Warco"
Verson Allsteel Press Co., 93rd St. & Kenwood Ave., Chicago, Ill.
Warco—See Federal Machine & Welder Co

CUSHIONS, Seat (Rubber)

Airubber—See New York Rubber Corp.
Black Diamond—See Karpex Mfg Co
Bostrom Corp 133 W Oregon St Milwaukee 4 Wis
Dunlop Tire & Rubber Corp Sheridan Drive & River Rd Buffalo 5 N Y "Dunlop Pillo Foam"
Firestone Rubber & Latex Products Co Fall River Mass "Foamex"
Foamex — See Firestone Rubber & Latex Products Co
General Seating Co 220 Main St Topton Pa
Goodrich Co B F Sponge Products Howe Ave Shelton Conn "Texfoam"
Karpex Mfg Co 1436 E 19th St Indianapolis 7 Ind "Black Diamond" (Truck)
New York Rubber Corp Airubber Div 100 Park Ave New York 17 N Y "Airubber" (Inflatable)
Perma Seating Co 8770 Kinsman Rd Cleveland 4 Ohio
Restfoam—See Hewitt-Robins Inc
Texfoam—See B F Goodrich Co Sponge Products Div
United States Rubber Co Rockefeller Center 1230 Ave of the Americas N Y 20 N Y "U S Koylon"

CUSHIONS, Seat (Spring)

(Including springs and upholstery)

Better Built—See Goshen Cushion & Body Co.
Bostrom Corp 133 W Oregon St Milwaukee 4 Wis
Fort Pitt Mfg. Co., 1501 Preble Ave., N. S., Pittsburgh 33 Pa
General Seating Co 220 Main St Topton Pa
Goshen Cushion & Body Co., N. Second St., Goshen, Ind. "Better Built."
Perma Seating Co 8770 Kinsman Rd Cleveland 4 Ohio
Young Spring & Wire Corp 9200 Russell St Detroit 11 Mich

CUT-OUTS, Reverse Current

(For automatically connecting generator to battery when voltage is high enough to charge battery and disconnecting it when voltage is too low.)

American Motor Products Co., Fond du Lac, Wis. "Ampco."
Ampco—See American Motor Products Co.
Blue Streak—See Standard Motor Products, Inc.
Echlin Mfg Co U S Route 1 Branford Conn
F & B Mfg Co 4248 W Chicago Ave Chicago 51 Ill "Filko"
Filko—See F. & B. Mfg. Co.
Freedco Products Inc 36-08 33rd St Long Island City 6 N Y
GP—See Guaranteed Parts Co.
Guaranteed Parts Co., Seneca Falls, N. Y. "GP."
Kem Mfg. Co., 20-21 Wagaraw Rd., Fair Lawn, N. J.
Machined Parts Corp., 6209 Hamilton Ave., Detroit 2, Mich. "Mapco."
Mapco—See Machined Parts Corp.
National—See Wheel Parts & Mfg Co
National Ignition Mfg. Co., 521 W. 23rd St., New York 11 N Y "Nimco"
New York Coil Co 42 Second Ave Phoenixville Pa "Nyco"
Niehoff & Co., C. E., 4925 W. Lawrence Ave., Chicago 30, Ill.
Nimco—See National Ignition Mfg. Co.
Nyco—See New York Coil Co
Paragon Products Corp 140 Astor St Newark 5 N J "Vulcan" (Sole distributors Vulcan Motor Products Inc 1060 Broad St Newark 2 N J)
Preferred Electric & Wire Co., Bush Terminal Bldg. No. 8, Brooklyn 32, N. Y.
R-B-M Div., Essex Wire Corp., Chestnut & Hanna Sts., Logansport, Ind.
Shurhit Products Inc 845 S Market St Waukegan Ill
Sorensen Mfg Co P 32-31 57th St Woodside 77 N Y
Standard Motor Products Inc 37-18 Northern Blvd., Long Island City, L. I., N. Y. "Blue Streak."
Super Go—See Wells Mfg. Corp.
Vulcan—See Paragon Products Corp
Wells Mfg Corp 12 S Brooke St Fond du Lac Wis "Super Go" "Wells"
Wheel Parts & Mfg Co 352 Fourth Ave N Y 10 N Y "National"

CUTTER GRINDERS—See Machines, Grinding (Reamer and Cutter)

CUTTERS, BAR—See Cutters, Rod and Bar

CUTTERS, Belt

Alligator—See Flexible Steel Lacing Co.
Clipper Belt Lacer Co., 974 Front Ave., N. W., Grand Rapids 2, Mich.
Flexible Steel Lacing Co., 4607 Lexington St., Chicago 44, Ill. "Alligator."

CUTTERS, Deburring

Severance Tool Industries Inc 711 Iowa Rd Saginaw Mich

CUTTERS, Electrode Dressing

Severance Tool Industries Inc 711 Iowa Rd Saginaw Mich

CUTTERS, GASKET—See Cutters, Washer and Gasket

CUTTERS, Gear

National Tool Co 11200 Madison Ave Cleveland 2 Ohio "National-Cleveland"

CUTTERS, Keyway

Brown & Sharpe Mfg Co 235 Promenade St Providence R I
Continental—See Ex-Cell-O Corp Continental Tool Works Div
Cowles Tool Co 2036 W 110th St Cleveland Ohio
Do All Co 254 N Laurel Ave Des Plaines Ill
Ex-Cell-O Corp., Continental Tool Works Div., 1200 Oakman Blvd., Detroit 32, Mich. "Continental."
Goddard & Goddard Co., 12280 Burt Rd., Detroit 23, Mich.
Jarvis Corp Middletown Conn
Morton Mfg. Co., Broadway & Hoyt St., Muskegon Heights, Mich.
Reltool Corp 4540 W Burnham St Milwaukee 46 Wis
Threadwell Tap & Die Co., Greenfield, Mass.
Union Twist Drill Co., Monroe St., Athol, Mass.

CUTTERS, Milling

Air Line—See Cowles Tool Co
Apex Tool & Cutter Co 235 Canal St Shelton Conn
Arrow Tool & Reamer Co 711 Stephenson Highway Troy Mich
Barber-Colman Co 1300 Rock St Rockford Ill
Brown & Sharpe Mfg Co 235 Promenade St Providence R I
Butterfield—See Union Twist Drill Co Butterfield Div
Chicago-Latrobe 426 W Ontario St Chicago 10 Ill (End mills)
Cleveland Twist Drill Co 1242 E 49th St Cleveland 14 Ohio
Continental—See Ex-Cell-O Corp., Continental Tool Works Div.
Cowles Tool Co., 2086 W. 110th St., Cleveland, Ohio. "Air Line," "Rigid Back" (Serrated blade.)
Curvex—See Pratt & Whitney Co
Do All Co 254 N Laurel Ave Des Plaines Ill
Douglas Tool Co 2300 E Nine Mile Rd Hazel Park Mich "Douglas Hi-Helix" (Contour)
E-Con-O-Mill—See Gairing Tool Co.
Ekstrom Carlson & Co 1400 Railroad Ave Rockford Ill (Spiral flute)
Ex-Cello-O Corp Continental Tool Works Div 1200 Oakman Blvd Detroit 32 Mich "Continental"
Ford Mfg Co M A P O Box 628 Davenport Iowa (Carbide)
Futurmill Inc 6360 Highland Rd Pontiac Mich
Gairing Tool Co 21221 Hoover Rd Detroit 32 Mich "E-Con-O-Mill" "Gair-Lock"
Gair-Lock—See Gairing Tool Co
Goddard & Goddard Co., 12280 Burt Rd., Detroit 23, Mich. "Go & Go."
Go & Go—See Goddard & Goddard Co.
H W—See Hanson-Whitney Co
Hall Planetary Co of Philadelphia 5561 Baynton St Philadelphia 44 Pa "Verac" (Thread blades)
Hanson-Whitney Co 169 Bartholomew Ave Hartford 2 Conn "H W"
Haynes Stellite Co 725 S Lindsay St Kokomo Ind
Ideal Industries, Inc., 1014 Park Ave., Sycamore, Ill. "Ideal Long Life." (Mica.)
Illinite—See Illinois Tool Works
Illinois Tool Works 2501 N Keeler Ave Chicago Ill "Illinite"
Ingersoll Milling Machine Co Rockford Ill
J & S Tool Co 87 Dorsa Ave Livingston N J
Jarvis Corp Middletown Conn
Kearney & Trecker Corp 6800 W National Ave Milwaukee 14 Wis
Kennametal Inc Lloyd Ave Latrobe Pa (Cemented carbide)
Kroslok—See Motch & Merryweather Machinery Co
Lovejoy Tool Co., 133 Main St., Springfield, Vt.
McCrosky Tool Corp., S. Main St., Meadville, Pa. "McCrosky Jack-Lock."
Martindale Electric Co., 1340 Hird Ave., Cleveland 7 Ohio
Meyers Co W F 1017 14th St Bedford Ind "Meyco"
Morse Twist Drill & Machine Co 163 Pleasant St New Bedford Mass
Motch & Merryweather Machinery Co 1250 E 222nd St Cleveland 7 Ohio "Kroslok"
National Tool Co 11200 Madison Ave Cleveland 2 Ohio "National-Cleveland"
National Twist Drill & Tool Co., Rochester, Mich.

CUTTERS, Milling—continued

Nelco Tool Co 266 Center St Manchester Conn (Carbide tipped)
O K Tool Co Milford N H
Pratt & Whitney Co Charter Oak Blvd West Hartford 1 Conn "Curvex"
Precise Products Corp 3715 Blue River Rd Racine Wis
Production Tool Co. of America, 6474 Le Grand Ave., Detroit 11, Mich.
Reitool Corp 4540 W Burnham St Milwaukee 46 Wis
Rigid Back—See Cowles Tool Co.
Rigidcut—See Wesson Co
Severance Tool Industries Inc 711 Iowa Rd Saginaw Mich (Carbide)
Standard Tool Co 2950 Chester Ave Cleveland 14 Ohio
Staples Tool Co 2352 Glendale-Milford Rd Cincinnati 15 Ohio
TCT—See Tungsten-Carbide Tool Co.
T-J—See Tomkins-Johnson Co
Tomkins-Johnson Co 2425 W Michigan Ave Jackson Mich "T-J"
Tungsten-Carbide Tool Co 26250 W 7 Mile Rd Detroit 40 Mich "TCT"
Union Twist Drill Co Monroe St Athol Mass
Union Twist Drill Co Butterfield Div Derby Line Vt "Butterfield"
V-R—See Vascoloy-Ramet Corp
Vascoloy-Ramet Corp 800 Market St Waukegan Ill "V-R"
Verac—See Hall Planetary Co of Philadelphia
Viking Tool Co 1000 Nichols Rd Shelton Conn
W-S—See Wendt-Sonis Co
Weldon Tool Co 3000 Woodhill Rd Cleveland 4 Ohio
Wendt-Sonis Co 10th & Collier St Hannibal Mo "W-S"
Wesson Co 12200 Woodward Heights Blvd Ferndale 20 Mich "Rigidcut"
Wetmore Reamer Co., 420 N. 27th St., Milwaukee 8, Wis.
Willey's Carbide Tool Co., 1340 W. Vernon Highway, Detroit 1, Mich.

CUTTERS, Rod and Bar

(Hand power)

Di-Acro—See O'Neil-Irwin Mfg Co
Hercules—See W. W. & C. F. Tucker, Inc.
J & S Tool Co 87 Dorsa St Livingston N J
Lewthwaite Machine Co., T. H., 324 E. 47th St., New York 17, N. Y. "THL."
O'Neil-Irwin Mfg Co 514 Eighth Ave Lake City Minn "Di-Acro"
Porter Inc H K 74 Foley St Somerville 43 Mass "Porter HKP"
THL—See T. H. Lewthwaite Machine Co.
Tucker, Inc., W. W. & C. F., 618 Capitol Ave., Hartford, Conn. "Hercules."

CUTTERS, ROTARY—See Saws and Cutters, Hole or Rotary

CUTTERS, Sheet Metal

(For use with portable electric drills or air compressors)

Chicago Pneumatic Tool Co 6 E 44th St N Y 17 N Y "Zip-Gun" (Pneumatic)
Fenway Machine Co 3107 N Broad St Philadelphia Pa
ImpaCutter—See Ingersoll-Rand Co
Ingersoll-Rand Co 11 Broadway N Y 4 N Y "ImpaCutter" (Pneumatic)
M-M-A Inc Coho Bldg Lancaster Pa "Royal Clipper"
Zip-Gun—See Chicago Pneumatic Tool Co

CUTTERS, Tubing

(Hand power)

Armstrong Bros Tool Co 5200 W Armstrong Ave Chicago 46 Ill
Blackhawk—See New Britain Machine Co
Cornwell Quality Tools Co Mogadore Ohio
Duro Metal Products Co., 2649 N. Kildare Ave., Chicago 39, Ill.
Edelmann & Co., E., 2332 Logan Blvd., Chicago 47, Ill. "Erco."
Erco—See E. Edelmann & Co.
Everhot Products Co 2001 W Carroll Ave Chicago 12 Ill
Exello Accessories Mfrs., Inc., 81 Madison Ave., Hempstead, N. Y.
Fairmount Tool & Forging Inc 10611 Quincy Ave Cleveland 6 Ohio
Herbrand Div Bingham-Herbrand Corp Lake & Stone Sts Fremont Ohio
Hi-Duty—See Imperial Brass Mfg Co
Imperial Brass Mfg Co 6300 W Howard St , Chicago 31 Ill "Hi-Duty" & "Imperial"
Kennedy Service Tools Inc 788 Evans Ave Akron 5 Ohio
Kent-Moore Organization Inc 28635 Mound Rd Warren Mich "Rate-Maker"
National Machine & Tool Co., 4077 Page Ave., Jackson, Mich.
New Britain Machine Co Hand Tools Div South St New Britain Conn "Blackhawk" "New Britain"
OTC—See Owatonna Tool Co.
Owatonna Tool Co., 342 N. Cedar St., Owatonna, Minn. "OTC."
Papco—See Penn Brass & Copper Co
Parker Fittings & Hose Div Parker-Hannifin Corp 17325 Euclid Ave Cleveland 12 Ohio
Penn Brass & Copper Co 3837 W 20th St Erie Pa "Papco"
Quality Tools Corp Railroad St New Wilmington Pa
Rate-Maker—See Kent-Moore Organization Inc
Reed Mfg Co Box 1321 Erie Pa (Pipe)
Rimac—See Rinck-Mellwaine Inc
Rinck-Mellwaine Inc 16 Hudson St N Y 13 N Y "Rimac"
Severance Tool Industries Inc 711 Iowa Rd Saginaw Mich
Simonds Saw & Steel Co 470 Main St Fitchburg Mass
Trimo—See Trimont Mfg Co
Trimont Mfg Co Div of St Pierre Chain Corp 50 Frank St Worcester 4 Mass "Trimo"
Weatherhead Co Fort Wayne Div 128 W Washington Blvd Fort Wayne Ind
Williams & Co J H 400 Vulcan St Buffalo 7 N Y

CUTTERS, Washer and Gasket

Cincinnati Tool Co 1967 Waverly Ave Cincinnati 12 Ohio "Hargrave"
Clark Co., Robert H., 9230 Santa Monica Blvd., Beverly Hills, Calif
Felt Products Mfg Co 7450 N McCormick Blvd Skokie Ill
Goodell-Pratt—See Millers Falls Co.
Hargrave—See Cincinnati Tool Co
Millers Falls Co 57 Wells St Greenfield Mass "Goodell-Pratt"
Osborne & Co., C. S., Jersey & Second Sts., Harrison, N. J.
Roytar Tool-Die Mfg Co 2230 S Wood St Chicago 8 Ill
Wyzenbeek & Staff Inc 223 N California Ave Chicago 12 Ill

CUTTING ALLOYS—See Alloys, Cutting

CUTTING DIES, for LEATHER and FABRICS—See Dies, Cutting, for Leather, Fabrics and Rubber

CUTTING OILS — See Compounds, Cutting Fluid

CUTTING OIL FILTERS—See Filters, Cutting Oil

CUTTING OFF MACHINES—See Machines, Cutting-off

CUTTING TOOLS—See Tools, Cutting

CYLINDER CASTINGS—See Castings, Iron

CYLINDER GAGES—See Gages, Cylinder; also Gages, Cylinder Compression

CYLINDER HEADS—See Heads, Cylinder

CYLINDER HEAD MILLING MACHINES—See Machines, Milling (Cylinder Head)

CYLINDER HEAD VOLUME TESTERS—See Testers, Cylinder Head Volume

CYLINDER MACHINERY AND TOOLS—See Hones, Cylinders; also Machines, Boring; also Machines, Grinding (Cylinder); also Machines, Honing (Cylinder); also Reamers and Jigs, Cylinder

CYLINDER SLEEVES—See Sleeves, Cylinder

CYLINDRICAL GAGES—See Gages, Cylindrical

CYLINDRICAL GRINDERS — See Machines, Grinding

CYLINDERS, Air and Hydraulic

Allenair Corp 255 E Second St Mineola N Y
Anker-Holth Div of Wellman Engrg Co 2723 Connors St Port Huron Mich
BHEW—See Benton Harbor Engrg Works Inc
Baker Bros Inc P O Box 101 Sta F Toledo 10 Ohio
Barnes Corp John S 301 S Water St Rockford Ill (Hydraulic)
Bellows Co 222 W Market St Akron 9 Ohio
Bendix Lakeshore Div Bendix Aviation Corp Lake Shore Drive St Joseph Mich (Hydraulic)
Benton Harbor Engrg Works Inc 622 Langley Ave Benton Harbor Mich "BHEW" (Hydraulic)
Carter Controls 2802 Bernice Rd Lansing Mich
Curtis Mfg Co Pneumatic Div 1927 Kienlen Ave St Louis 20 Mo (Air)
Dukes Co 3999 N 25th Ave Schiller Park Ill (Hydraulic)
Erickson Tool Co 34350 Solon Rd Solon Ohio (Air)
Hanna Engrg Works 1765 Elston Ave Chicago 22 Ill "Powrdraulic"
Hannifin Co 543 S Wolf Rd Des Plaines Ill
Hydraulic Unit Specialties 304 N Brand Ave Waukesha Wis
Hydro-Line Mfg Co 5600 Pike Rd Rockford Ill
Lindberg—See Teer Wickwire & Co
Logansport Machine Co 860 Center Ave Logansport Ind
Mead Specialties Co 4114 N Knox St Chicago 41 Ill
Miller Fluid Power Div of Flick-Reedy Corp York & Thorndale Rds Bensenville Ill
Mo-Bar Hydraulics Inc Crystal Lake Ill
Nopak Div Galland-Henning Co 2753 S 31st St Milwaukee 16 Wis
Ortman-Miller Machine Co 19 143rd St Hammond Ind
Powrdraulic—See Hanna Engrg Works
Racine Hydraulics & Machinery Inc 2000 Albert St Racine Wis
Rivett Inc Dept A1-5 Brighton 35 Boston Mass
S-P Mfg Corp 30201 Aurora Rd Solon Ohio (Rotating and non-rotating)
Teer Wickwire & Co 1801 Wildwood Ave Jackson Mich "Lindberg"
Thompson Products Michigan Div Thompson-Ramo Wooldridge Inc 34201 Van Dyke Ave Warren Mich
Tomkins-Johnson Co 2425 W Michigan Ave Jackson Mich

DAMPERS, Vibration (Engine)

Houdaille Industries Inc Buffalo Hydraulics Div 537 E Delavan Ave Buffalo 11 N Y (Torsional)
R/M—See Raybestos-Manhattan Inc
Raybestos-Manhattan Inc Equipment Sales Div P O Box 1021 Bridgeport Conn "R/M"
Schwitzer Corp 1125 Massachusetts Ave Indianapolis 7 Ind (Torsional)
World Beston Div of Firestone Tire & Rubber Co 1112 S 25th St New Castle Ind

DASH SIGNAL INDICATORS—See Lamps, Tell Tale

DASHES, Metal

(See also Boards, Instrument)

Auto-Lite—See Electric Auto-Lite Co
Cutler Metal Products Co., 1025 Line St., Camden, N. J.
Electric Auto-Lite Co Toledo 1 Ohio "Auto-Lite"
Hamlin Metal Products Co 2741 Wingate Ave Akron 19 Ohio
Peninsular Metal Products Corp., 1365 Jarvis St., Detroit 20 Mich
Stolper Steel Products Corp 300 Pilgrim Rd Menomonee Falls Wis
Western Metal Specialty Div Western Industries Inc 1213 N 62nd St Milwaukee 13 Wis

DATA PROCESSING SYSTEMS—See Systems, Data Processing

DEFROSTERS, Windshield (Warm Air)

Arvin Industries Inc 13th St & Big Four RR Columbus Ind
Eaton Mfg Co Heater Div E 65th St & Central Ave Cleveland 4 Ohio (Rear window)
Evans Products Co 13101 Eckles Rd Plymouth Mich
Harrison Radiator Div., General Motors Corp., Washburn & Walnut Sts., Lockport, N. Y.
Kysor Heater Co., Haynes St., Cadillac, Mich.

DEFROSTER HOSE—See Hose, Defroster

DEFROSTING FANS—See Fans, Defrosting & Ventilating, Electric (Auto)

DEGASSERS, Bus

Fageol Co R D Box 328 Kent Ohio

DEPTH GAGES—See Gages, Depth

DERRICKS, TRUCK — See Cranes, Service Truck

DETECTORS, Flame

Minneapolis-Honeywell Regulator Co Industrial Div Wayne & Windrim Aves Philadelphia 44 Pa "Ultra Vision"

DIAL GAGES—See Gages, Dial

DIALS, Instrument

Aico—See American Insulator Corp
Acme Metal Etching Co., 4857 St. Aubin Ave., Detroit 7, Mich.
American Insulator Corp New Freedom Pa "Aico"
American Name Plate & Mfg Co 4254 W Arthington St Chicago 24 Ill "Anco"
Anco—See American Name Plate & Mfg Co
Auto-Lite—See Electric Auto-Lite Co
Croname Inc 6217 Howard St Chicago 48 Ill (Metal glass and plastic)
Electric Auto-Lite Co Toledo 1 Ohio "Auto-Lite"
Electro Chemical Engraving Co 1100 Brook Ave N Y 56 N Y
Grammes & Sons, Inc., L. F., 371 Union St., Allentown, Pa.
Metal Decorating & Mfg. Co., 2021 W. Fulton St., Chicago 12, Ill.
Neco—See Northern Engraving & Mfg Co
Northern Engraving & Mfg Co Fourth & Vine Sts La Crosse Wis "Neco"
Ward's Name Plates 8504 Lyndon Ave Detroit 38 Mich
Willson Camera Co 1401 Lawrence Rd Havertown Pa (Plastic)

DIAMOND TOOLS—See Tools, Cutting

DIAMONDS, Industrial

(See also Alloys, Cutting)

Crafts Co., Arthur A., 603 Newbury St., Kenmore Square, Boston 15, Mass.
Dearborn Glass Co., 2414 W. 21st St., Chicago, Ill.
Diamond Drill Carbon Co 244 Madison Ave New York 16 N Y (Imported)
Diamond Tool Co 246 Broadway South Haven Mich "Re-Set-Able"
Industrial Diamond Co 2392 Wolcott Ave Ferndale 20 Mich (Imported)
J & S Tool Co 87 Dorsa St Livingston N J
Re-Set-Able—See Diamond Tool Co
Ross-Adseal Inc 738 Lord St Indianapolis 2 Ind (Sole Distributors Ryan Sales Engineering Co 82 Lothrop Ave Detroit Mich)
Standard Diamond Tool Corp 71 W 47th St N Y 36 N Y
Tru-Line—See Wheel Trueing Tool Co
Wheel Trueing Tool Co 3200 W Davison Ave Detroit 38 Mich "Tru-Line"

DIAPHRAGM MATERIAL—See Fabric, Synthetic (For parts)

DIE CASTING DIES—See Dies, Die Casting

DIE CASTING MACHINES—See Machines, Die Casting

DIE CASTINGS—See Castings, Die

DIE CUTTING MACHINES — See Machines, Die Sinking

DIE GRINDING MACHINES—See Machines, Grinding (Die)

DIE HEADS, Self-Opening

Eastern Machine Screw Corp., Truman & Barclay Sts., New Haven 6 Conn. "H & G."
Geometric Horton Div United-Greenfield Corp Blake & Valley Sts New Haven 15 Conn
H & G—See Eastern Machine Screw Corp.
Jones & Lamson Machine Co 523 Clinton St., Springfield, Vt.
Lanco—See Landis Machine Co.
Landex—See Landis Machine Co.
Landis Machine Co., Fifth & Church Sts., Waynesboro, Pa. "Lanco." "Landex." "Landmatic"
Landmatic—See Landis Machine Co
Murchey Div Sheffield Corp 721 Springfield St Dayton Ohio
Namco Vers-O-Tool—See National Acme Co
National Acme Co., 170 E. 131st St., Cleveland 8, Ohio. "Namco Vers-O-Tool"
R-S—See Rickert-Shafer Co.
Rickert-Shafer Co., 612 W. 11th St., Erie Pa. "R-S."

DIEING MACHINES—See Machines, Dieing

DIE MAKING MACHINERY (Steel Rule)—See Machines, Die Making (Steel Rule)

DIE SAWING AND FILING MACHINES—See Machines, Sawing and Filing

DIE SETS (Forging, Stamping, etc.)

Chicago—See Dreis & Krump Mfg Co
City Machine & Tool Co Div of Globe-Wernicke Industries Inc 5130 Detroit Ave Toledo 12 Ohio (For metal stampings for auto and truck bodies fenders and hoods)
Danly Machine Specialties Inc 2100 S Laramie Ave Cicero Chicago 50 Ill
Dreis & Krump Mfg Co 7424 Loomis Blvd Chicago 36 Ill "Chicago"
Kirksite—See National Lead Co
Lempco Products, Inc., 5490 Dunham Rd., Bedford, Ohio.
National Lead Co 111 Broadway New York 6 N Y "Kirksite"
Producto Machine Co 990 Housatonic Ave Bridgeport 1 Conn (Stamping)
Royal Oak Tool & Machine Co 29800 Stephenson Highway Royal Oak Mich
Superior Steel Products Corp 2754 S 19th St Milwaukee 7 Wis
Tishken Products Co 13000 W Eight Mile Rd Detroit 37 Mich
Union Mfg Co 296 Church St New Britain Conn

DIE SINKING MACHINES—See Machines, Die Sinking

DIE STOCKS—See Stocks, Die

DIES, Cutting, for Leather, Fabrics and Rubber, etc.

Acme Mfg. & Gasket Co., 738 N. 41st St., Philadelphia 4, Pa.
Bernal Tool & Machine Co 18624 Mt Elliott Ave Detroit 34 Mich
Chambers Gasket & Mfg Co 4701 W Rice St Chicago 51 Ill
Electromatic—See J A Richards Co
Richards Co J A 903 N Pitcher St Kalamazoo Mich "Electromatic"

DIES, Die Casting

Badger Die Casting Corp., 201 W. Oklahoma St., Milwaukee 7 Wis
Federal Die Casting Co 2222 Elston Ave Chicago 14 Ill
Royal Oak Tool & Machine Co 29800 Stephenson Highway Royal Oak Mich
Valor Tool & Machine Co 5320 Oakman St Dearborn Mich (Zinc and aluminum)

DIES, Embossing

Acrodie—See Acromark Co.
Acromark Co., 9 Morrell St., Elizabeth 4 N. J. "Acrodie."
Hi-Duty—See Geo. T. Schmidt, Inc.
Lo Stress—See Jas. H. Matthews & Co.
Matthews & Co., Jas. H., 3942 Forbes St Pittsburgh 13, Pa. "Tuf-Face," "Lo Stress."
Pannier Corp., 207 Sandusky St., Pittsburgh 12, Pa.
Royal Oak Tool & Machine Co 29800 Stephenson Highway Royal Oak Mich
Schmidt Inc Geo T 4100 Ravenswood Ave Chicago 13 Ill "Hi-Duty"
Superior Seal & Stamp Co 1401 Vermont Ave Detroit 16 Mich
Tuf-Face—See H Matthews & Co

DIES, JIGS, TOOLS and FIXTURES

(See also Die Sets [Forging, Stamping, etc.])

A K Tool Co Route 22 Mountainside N J
Acme Precision Products Inc 215 N Findlay St Dayton 3 Ohio
Banner Die Tool & Stamping Co 1308 Holly Ave Columbus 8 Ohio
Bath Co Cyril 32400 Aurora Rd Solon Ohio
Congress Tool & Die Div Tann Corp 3300 Denton St Detroit Mich
Detroit Stamping Co 350 Midland Ave Detroit 3 Mich
Distel Tool & Machine Co 12800 E 10 Mile Rd Detroit 5 Mich
Federal Machine & Welder Co 1745 Overland Ave Warren Ohio (Jigs and fixtures)
Harig Mfg Corp 5757 W Howard St Chicago 31 Ill
Heidrich Tool & Die Co 10400 Capital Ave Oak Park 37 Mich
Huckins Tool & Die Inc 1700 Mishawaka Ave South Bend Ind
Keystone Gasket Mfg Co 833 N Fourth St Philadelphia 23 Pa
Kickhaefer Mfg Co 901 S Second St Milwaukee 4 Wis (Dies and tools)
Lidseen of North Carolina Inc 1000 First St Hayesville N C
Machine Products Corp 6771 E McNichols Rd Detroit 12 Mich
Mercury Tool & Die Co 1600 E Nine Mile Rd Detroit (Ferndale) 20 Mich
Merz Engrg Inc 200 S Hardin St Indianapolis 7 Ind
Oakwood Tool & Engrg Co 3600 Salem Ave Dayton 6 Ohio
Olofsson Corp 2727 Lyons Ave Lansing 2 Mich
Parker & Sons Co A E 2280 W Grand River Ave Howell Mich
Rockford Die & Tool Works Inc 1816 - 17th Ave Rockford Ill
Royal Oak Tool & Machine Co 29800 Stephenson Highway Royal Oak Mich
Snow Mfg Co 435 Eastern Ave Bellwood Ill (Fixtures and tools)
Standard Tool & Mfg Co 2500 Meldrum Ave Detroit 7 Mich
Wisconsin Drill Head Co 4987 N 124th St Butler Wis (Jigs and fixtures)

DIES, MARKING—See Stamps, Steel

DIES, Thread Rolling

Reed Rolled Thread Die Co 791 Main St Holden Mass

DIES, Trimming

Royal Oak Tool & Machine Co 29800 Stephenson Highway Royal Oak Mich
Vulcan Tool Co 730 Lorain Ave Dayton 10 Ohio

DIES, Welding

Ampco Metal Inc 1737 S 38th St Milwaukee 46 Wis "Ampco-Weld" (Flash butt and projection)
Mallory & Co P R 76 S Gray St Indianapolis 6 Ind (Resistance)
S-M-S Corp 8905 Livernois Ave Detroit 4 Mich

DIES and SCREW PLATES

(See also Die Heads, Self-Opening)

Acorn—See Greenfield Tap & Die Div
Bay State Tap & Die Co., Chauncy St., Mansfield, Mass.
Butterfield—See Union Twist Drill Co Butterfield Div
Card Div Union Twist Drill Co S W Rumford Ave Mansfield Mass "Diamond" "Improved" "Favorite" (Screw plates)
Diamond—See S W Card Div
Favorite—See S W Card Div
GTD—See Greenfield Tap & Die Div
Geometric Horton Div United-Greenfield Corp Blake & Valley Sts New Haven 15 Conn (Solid adjustable die heads)
Greenfield Tap & Die Div United-Greenfield Corp Sanderson St Greenfield Mass "Little Giant" "Little Giant Jr" "O K Jr" "Acorn" "GTD" (Dies)
Improved—See S W Card Div
Keystone Reamer & Tool Co Millersburg Pa
Little Giant—See Greenfield Tap & Die Div
Little Giant Jr—See Greenfield Tap & Die Div
Murchey Div Sheffield Corp 721 Springfield St Dayton Ohio (Solid adjustable die heads)
O K Jr—See Greenfield Tap & Die Div
Rimac-Hexset—See Rinck-Mcllwaine, Inc.
Rinck-McIlwaine, Inc., 16 Hudson St., New York, N. Y. "Rimac-Hexset."
Standard Tool Co 3950 Chester Ave Cleveland 14 Ohio (Dies)
Union Twist Drill Co., Monroe St., Athol Mass.
Union Twist Drill Co., Butterfield Div., **Derby Line, Vt. "Butterfield."**
Vermont Tap & Die Corp., Main & Grove Sts., Lyndonville, Vt.

DIESEL ENGINES—See Engines, Diesel

DIESEL ENGINE FUEL FILTERS—See Filters, Fuel (For Diesel Engines)

DIESEL ENGINE TESTERS — See Testers, Diesel Engine

DIESEL INJECTION EQUIPMENT—See Injection Systems, Diesel & Gasoline Engine

DIFFERENTIALS, Auto

(See also Axles, Rear; for individual gears—see Gears and Pinions, Rear Axle)

Automotive Gear Div Eaton Mfg Co S Eighth & C Sts Richmond Ind "Double Diamond"
Dana Corp 4100 Bennett Rd Toledo 1 Ohio "Thornton Powr-Lok" (Locking)
Detroit Automotive Products Corp., 8701 Grinnell Ave., Detroit 13, Mich. "No Spin." (Automatic locking for trucks.)
Detroit Bevel Gear Co., 8130 Jos. Campau Ave., Detroit 11, Mich.
Double Diamond—See Automotive Gear Div Eaton Mfg Co

DIFFERENTIALS, Auto—continued

Eaton Mfg Co Pump Div W Hanover St Marshall Mich "Eaton Trac-Aide"
Fairfield Mfg Co State Rd No 52 South Lafayette Ind
New Process Gear Div Chrysler Corp 500 Plum St Syracuse N Y
No Spin—See Detroit Automotive Products Corp.
Rockwell-Standard Corp Transmission & Axle Div 100 Clark Ave Detroit 32 Mich "Timken-Detroit"
Saco-Lowell Automotive Div Saco-Lowell Shops 10340 Putnam Ave Detroit Mich
Thornton Powr-Lok—See Dana Corp
Timken-Detroit — See Rockwell-Standard Corp
Warner Automotive Div Borg-Warner Corp S Wayne St Auburn Ind

DIPPING BASKETS—See Baskets, Dipping

DIRECTIONAL SIGNAL SWITCHES — See Switches, Direction Indicating Signal

DIRECTIONAL SIGNALS—See Signals, Directing, Indicating (Auto and Truck)

DISC WHEELS—See Wheels, Auto (Disc)

DISCS, Abrasive Grinding

(Abrasive wheels for use in grinding machines)

Albertson & Co., 3100 Lowell Ave., Sioux City, Iowa. "Sioux."
Armour Alliance Industries 16123 Armour St N E Alliance Ohio
Barrett Equipment Co 2101 Cass Ave St Louis 6 Mo "Barrett Acracut"
Bay State Abrasive Products Co 12 Union St Westboro Mass "Dura Cut"
Behr-Manning Corp 1960 Howe St Troy N Y "Disker" "Metalite" "Mushroom" "Speed-Wet"
Besly-Welles Corp 20 N Wacker Drive Chicago 6 Ill "Besly-Titan"
Carborundum Co., Buffalo Ave., Niagara Falls, N. Y.
Clover Mfg Co 327 Main St Norwalk Conn
Disker—See Behr-Manning Corp
Dura Cut—See Bay State Abrasive Products Co
Famco—See Field Abrasive Mfg Co
Field Abrasive Mfg Co 1303 Stanley Ave Dayton 4 Ohio "Famco" "Field's"
Gardner Machine Co., 444 E. Gardner St., Beloit, Wis.
Manhattan—See Raybestos-Manhattan, Inc., Manhattan Rubber Div.
Metalite—See Behr-Manning Co.
Mid-West Abrasive Co., 510 S. Washington St., Owosso, Mich.
Minnesota Mining & Mfg Co 900 Bush Ave St Paul 6 Minn
Mushroom—See Behr-Manning Corp
Norton Co 1 New Bond St Worcester 6 Mass
Raybestos-Manhattan, Inc., Manhattan Rubber Div., 61 Willet St., Passaic, N. J. "Manhattan."
Sioux—See Albertson & Co.
Speed-Wet—See Behr-Manning Corp

DISCS, Clutch

(For pressure plates—See Plates, Clutch [Pressure])

Atkins Saw Div Borg-Warner Corp 402 S Illinois St Indianapolis 9 Ind
B-N—See Burgess-Norton Mfg. Co.
Becker Bros. Carbon Co., 3450 S. 52nd Ave., Cicero 50, Ill. (Carbon.)
Borg & Beck Div Borg-Warner Corp 6558 S Menard Ave Chicago 38 Ill
Burgess Norton Mfg Co 737 Peyton St Geneva Ill "B-N"
Curtis Mfg Co Clutch Disc Div 1927 Kienlen Ave St Louis 20 Mo (Steel or bronze)
Dana Corp 4100 Bennett Rd Toledo 1 Ohio "Monmouth"
Gempco—See General Metals Powder Co
General Metals Powder Co., 130 Elinor Ave., Akron 5, Ohio "Gempco."
Ingersoll Products Div Borg-Warner Corp 1000 W 120th St Chicago 43 Ill
Ingersoll Steel Div of Borg-Warner Corp P O Box 273 New Castle Ind
Lempco Products Inc 5490 Dunham Rd Bedford Ohio
Monmouth—See Dana Corp
Simonds Saw & Steel Co 470 Main St Fitchburg Mass
Spring Div Borg-Warner Corp Madison St & 25th Ave Bellwood Ill
Velvetouch—See S K Wellman Co
Wellman Co S K 200 Egbert St Bedford Ohio "Velvetouch" (Metallic)

DISCS, Clutch (Faced)

Accurate Re-Nu Clutch Div of Mar Pro Inc 168 N Michigan Ave Chicago 1 Ill "Powerflex"
B-N—See Burgess-Norton Mfg Co
Burgess-Norton Mfg Co 737 Peyton St Geneva Ill "B-N"
International Parts Corp 4101 W 42nd Pl Chicago 32 Ill
Lempco Products Inc 5490 Dunham Rd Bedford Ohio
National—See Wheel Parts & Mfg Co
Perfection Gear Co 152nd St & Vincennes Ave Harvey Ill
Powerflex—See Accurate Re-Nu Clutch Div
Warner Automotive Div Borg-Warner Corp S Wayne Ave Auburn Ind
Wheel Parts & Mfg Co 352 Fourth Ave N Y 10 N Y "National"

DISCS, SAW—See Blades, Saw (Circular)

DISCS, Universal Joint

Anchor Packing Co., 401 N. Broad St., Philadelphia 8, Pa. "Ankorite."
Ankorite—See Anchor Packing Co.
Auburn Mfg. Co., Pease Ave. & Stack St., Middletown, Conn.
Graton & Knight Co 356 Franklin St Worcester 4, Mass
Porter Co H K Thermoid Div 200 Whitehead Rd Trenton 6 N J "Thermoid"
Thermoid—See H K Porter Co Thermoid Div

DISCS, Wheel

Brown—Lipe-Chapin Div of General Motors Corp Town Line Rd Syracuse N Y
Cover All—See United Metal Craft Co
Del-Krome Corp 44 West St Walton N Y "Kromweels"
Gar Wood Industries Inc Wayne Mich "Gar Wood Cover-alls" (Full and wire)
Helms Industrial Development Co 220 S Kirk St West Lafayette Ohio (Wire)
Ingersoll Products Div Borg-Warner Corp 1000 W 120th St Chicago 43 Ill (Truck)
Kromweels—See Del-Krome Corp
Namsco Inc 333 31st Ave Bellwood Ill "National"
National—See Namsco Inc
United Metal Craft Co 800 Lowell St Ypsilanti Mich "Cover-All" (Wire)

DISPENSERS, GREASE — See Lubricators, Portable (High Pressure)

DISTRIBUTOR PARTS—See Parts, Magneto, Coil and Distributor

DISTRIBUTORS, Ignition

Auto-Lite—See Electric Auto-Lite Co.
Delco-Remy Div General Motors Corp 2401 Columbus Ave Anderson Ind
Electric Auto-Lite Co Toledo 1 Ohio "Auto-Lite"
Freedco Products Inc 36-08 33rd St Long Island City 6 N Y
Holley Carburetor Co 11955 E Nine Mile Rd Warren Mich
Mallory Electric Corp 12416 Cloverdale Ave Detroit 4 Mich (Also combination governor and distributor)
Paragon Products Corp 140 Astor St Newark 5 N J "Vulcan" (For Ford and Mercury cars; sole distributors, Vulcan Motor Products Inc 1060 Broad St Newark 2 N J)
Shurhit Products Inc 845 S Market St Waukegan Ill
Vulcan—See Paragon Products Corp
Wico Electric Co 10 Bliss Ave West Springfield Mass

DISTRIBUTOR TESTING INSTRUMENTS—See Instruments, Distributor Testing

DIVIDERS, Power (Rear Axle)

Eaton Mfg Co Axle Div 739 E 140th St Cleveland 10 Ohio

DIVIDING HEADS—See Heads, Dividing

DOCKS, TRUCK LOADING — See Ramps, Truck Loading

DOLLIES, Industrial

Colson Corp Elyria Ohio
Fairbanks Co 393 Lafayette St N Y 3 N Y
Hamilton Caster & Mfg Co 1517 Dixie Highway Hamilton Ohio
Island Equip Corp 1090 E 31st St Hialeah Fla "Ultimate"
Kordes Co., Paul J., 4701 N. 125th St., Butler, Wis. "Skid-Rol"
Magline Inc 952 Murray Rd Pinconning Mich "Magliner"
Mighty Mover Co 1701 E Louisiana Ave Denver Colo
National Vulcanized Fibre Co Maryland Ave & Beech St Wilmington 99 Del
Nutting Truck & Caster Co 1201 W Division St Faribault Minn
Orangeville Mfg Co Orangeville Pa
Ultimate—See Island Equip Corp
Wellington Machine Co 133 De Wolf St Wellington O

DOME LIGHTS—See Lamps, Back-up, Cowl, Dome, Fender, Tail, etc.

DOOR CHECKS, CAR—See Checks, Door (Car and Truck)

DOORS, Truck and Trailer

Barker-Colman Co 1300 Rock St Rockford Ill (Overhead)
Hackney & Sons J A 400 Hackney Ave Washington N C (Plastic for trucks and moving vans)
K & B—See Kirk & Blum Mfg. Co.
Kinnear Mfg Co 2100 Fields Ave Columbus 16 Ohio (Steel rolling)
Kirk & Blum Mfg Co 3120 Forrer St Cincinnati 9 Ohio "K & B" (Steel)
Met-L-Wood Corp 6755 W 65th St Chicago 38 Ill (Truck body)

DOVETAILS

Ferro Stamping Co 1367 Franklin St Detroit 7 Mich

DRAG LINKS—See Connections, Steering

DRAIN PLUGS—See Plugs, Crankcase Drain; also Plugs, Drain (Magnetic); also Pluge, Pipe

DRAIN PLUG WRENCHES—See Wrenches, Drain Plug

DRAW BARS—See Bars, Draw

DRAWING MACHINES (BAR AND WIRE)—See Machines, Drawing (Bar and Wire)

DRAWING PRESSES — See Presses, Deep Drawing

DRESSERS, Grinding Wheel

Abrasive Dressing Tool Co 14528 2nd Blvd Detroit 3 Mich "Red Band" "Di-X"
Big Boss—See Ross Mfg Co
Black & Decker Mfg Co 629 Pennsylvania Ave Towson 4 Md
Bunke-Musser Inc Box 386 Jackson Center Ohio "Champion"
Calder Mfg Co 630 N Prince St Lancaster Pa
Carboloy—See General Electric Co
Champion—See Bunke-Musser Inc
Citco—See Cleveland Industrial Tool Co
Cleveland Industrial Tool Co Box 84 Chardon Ohio "Citco"
Crushtrue—See Sheffield Corp
Desmond-Stephan Mfg. Co., 317 S. Walnut St., Urbana, Ohio.
Di-X—See Abrasive Dressing Tool Co
Diaform—See Pratt & Whitney Co
Diamond Drill Carbon Co 244 Madison Ave New York 16 N Y
Diamond Tool Co 246 Broadway South Haven Mich "Loc-Key-Set"
Fluidmotion—See J & S Tool Co.
Form-Master—See J & S Tool Co
Frauenthal Div Kaydon Engrg Corp Muskegon Mich
General Electric Co Metallurgical Products Dept 11777 E 8 Mile Rd Detroit 32 Mich "Carboloy"
Hanchett Mfg Co 906 N State St Big Rapids Mich
Industrial Diamond Co 2392 Wolcott Ave Ferndale 20 Mich
J & S Tool Co 87 Dorsa Ave Livingston N J "Form-Master" "Fluidmotion"
Lee Co., K. O., Congress at First Ave., S. E., Aberdeen, S. D.
Loc-Key-Set—See Diamond Tool Co
Metal Carbides Corp 107 E Indianola Ave Youngstown 7 Ohio "Talide"
Moore Special Tool Co., 740 Union Ave., Bridgeport, Conn.
Pratt & Whitney Co Charter Oak Blvd West Hartford 1 Conn "Diaform"
Red Band—See Abrasive Dressing Tool Co
Rimac—See Rinck-McIlwaine, Inc.
Rinck-McIlwaine, Inc., 16 Hudson St., New York 13, N. Y. "Rimac."
Ross Mfg. Co., 6210 Carnegie Ave., Cleveland 3, Ohio. "Big Boss," "Senior"
Senior—See Ross Mfg Co
Sheffield Corp 721 Springfield St Dayton 1 Ohio "Crushtrue"

Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis.
Standard Diamond Tool Corp 71-W 47th St N Y 36 N Y
Standard Tool Co 3950 Chester Ave Cleveland 14 Ohio
Talide—See Metal Carbides Corp
Tru-Line—See Wheel Trueing Tool Co
Tru-Thread—See Wheel Trueing Tool Co
Wheel Trueing Tool Co 3200 W Davison Ave Detroit 38 Mich "Tru-Line" "Tru-Thread"
Willey's Carbide Tool Co 1340 W Vernon Highway Detroit 1 Mich

DRILL, ENAMELED—See Fabric, Coated Cloth (For Seat Covers, Tops and Upholstery, etc.)

DRILL GAGES—See Gages, Drill and Wire

DRILL GRINDERS—See Machines, Grinding (Drill)

DRILL JIGS—See Jigs, Drill

DRILL PRESSES—See Machines, Drilling

DRILL PRESS VISES—See Vises, Drill Press

DRILL SOCKETS and SLEEVES—See Sockets and Sleeves, Drill

DRILL STANDS, ELECTRIC—See Stands for Portable Electric Drills and Grinders

DRILLING BUSHINGS—See Bushings, Jig

DRILLING HEADS—See Heads, Drilling

DRILLING MACHINES, SPINDLES—See Spindles, Drilling and Grinding Machines

DRILLING MACHINES—See Machines, Drilling

DRILLS, Breast

Millers Falls Co 57 Wells St Greenfield Mass
Stanley Tools, 111 Elm St., New Britain, Conn.
Stanley-Yankee Tools Inc American St & Lehigh Ave Philadelphia 33 Pa

DRILLS, Portable Electric

(See also Machines, Flexible Shaft [Portable Electric])

Albertson & Co., 3100 Lowell Ave., Sioux City, Iowa. "Sioux."
Black & Decker Mfg Co 629 Pennsylvania Ave Towson 4 Md "Holgun"
Blue Point—See Snap-On Tools Corp
Chicago Pneumatic Tool Co 6 E 44th St New York N Y "Universal" "Hicycle" "Super Cycle"
Cummins Portable Tools Div of John Oster Mfg Co 5055 N Lydell Ave Milwaukee 17 Wis
Dumore Co 1300 17th St Racine Wis
Hicycle—See Chicago Pneumatic Tool Co
Holgun—See Black & Decker Mfg Co
Ingersoll-Rand Co 11 Broadway New York 4 N Y
Jones Motorola Corp., 432 Fairfield Ave., Stamford, Conn
Kett Tool Co 5055 Madison Rd Cincinnati 27 O
Lee Co., K. O., Congress at First Ave., S. E., Aberdeen, S. D.
Mighty Midget—See Stanley Electric Tools
Millers Falls Co 57 Wells St Greenfield Mass
Milwaukee Electric Tool Co 5350 W State St Milwaukee 8 Wis
Porter-Cable Machine Co 700 Marcellus St Syracuse 4 N Y
Remington Arms Co 939 Barnum Ave Bridgeport 2 Conn
Rotor Tool Co 23600 Lakeland Blvd Cleveland 32 Ohio
Signal Mfg Co 69 Bennett St Lynn Mass
Sioux—See Albertson & Co
Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis. "Blue Point"
SpeedWay Mfg Co 1421 Barnsdale Rd La Grange Park Ill "Thor Speed Drills"
Stanley Electric Tool Div of Stanley Works 480 Myrtle St New Britain Conn "Mighty Midget"
Super Cycle—See Chicago Pneumatic Tool Co
Thor Speed Drills—See Speedway Mfg Co
Thor Power Tool Co 175 State St Aurora Ill
United States Electrical Tool Co 3620 Llewelyn St Cincinnati 23 Ohio
Universal—See Chicago Pneumatic Tool Co.
Wen Products Inc 5808 Northwest Highway Chicago 31 Ill

DRILLS, Portable Pneumatic

Airetool Mfg Co Springfield Ohio
Air-Speed Tool Co 1502 W Slauson Ave Los Angeles 47 Calif
Aro Equipment Corp., Bryan, Ohio.
Brown Tool Mfg Co 9422 Trenton Ave St Louis 14 Mo "Solar"
Buckeye Tools Corp 5005 Springboro Pike Dayton 9 Ohio
Chicago Pneumatic Tool Co 6 E 44th St N Y 17 N Y "CP"
Cleco Div of Reed Roller Bit Co 5125 Clinton Dr Houston 1 Tex "Cleco."
Gardner-Denver Co S Front St Quincy Ill
Ideal Industries, Inc., 1014 Park Ave., Sycamore, Ill. "Ideal Air Horse."
Ingersoll-Rand Co 11 Broadway New York 4 N Y
Master Power Corp Krick Rd Bedford Ohio
Remington Arms Co 939 Barnum Ave Bridgeport 2 Conn
Rotor Tool Co 23600 Lakeland Blvd Cleveland 32 Ohio
Skil Corp 5033 Elston Ave Chicago 30 Ill "Skil Drill"
Solar—See Brown Tool Mfg Co
Superior Pneumatic & Mfg Inc 4758 Warner Rd Cleveland 25 Ohio
Thor Power Tool Co 175 State St Aurora Ill

DRILLS, Post

Champion Blower & Forge Co., Harrisburg Ave. & Charlotte St., Lancaster, Pa.

DRILLS, Ratchet

Cleveland Twist Drill Co., 1242 E. 49th St., Cleveland 14, Ohio.
Morse Twist Drill & Machine Co., 163 Pleasant St., New Bedford, Mass.

DRILLS, Twist

Ace Drill Corp 2600 E Maumee St Adrian Mich
Albertson & Co 3100 Lowell Ave Sioux City 3 Iowa "Sioux"
American Twist Drill Co 14301 W Chicago Blvd Detroit 28 Mich
Avildsen Inc 322 S Green St Chicago Ill
Besly-Welles Corp 20 N Wacker Drive Chicago 6 Ill
Blackhawk—See New Britain Machine Co
Blue Diamond—See Whitman & Barnes
Chicago-Latrobe 426 W Ontario St Chicago 10 Ill
Chicago Tool & Kit Mfg Co 230 N Jefferson St Chicago 6 Ill
Cle-Forge—See Cleveland Twist Drill Co.
Cleveland Twist Drill Co., 1242 E. 49th St., Cleveland, Ohio. "Cle-Forge."
Continental Drill Corp 555 W Adams St Chicago 6 Ill
Cornwell Quality Tools Co Mogadore Ohio
Dixon Inc Wm 32 E Kinney St Newark 1 N J
Do All Co 254 N Laurel Ave Des Plaines Ill
GTD-Ampco—See Greenfield Tap & Die Div
Greenfield Tap & Die Div United-Greenfield Corp Sanderson St Greenfield Mass "GTD-Ampco"
Herbrand Div Bingham-Herbrand Corp Lake & Stone Sts Fremont Ohio
Hercules—See Whitman & Barnes Div
Keystone Reamer & Tool Co., Millersburg, Pa.
Morse Twist Drill & Machine Co 163 Pleasant St New Bedford Mass
National Twist Drill & Tool Co., Rochester, Mich.
New Britain Machine Co Hand Tool Div South St New Britain Conn "Blackhawk" & "New Britain"
North American-Viking Drill Co 470 Kittson St St Paul 1 Minn
Pratt & Whitney Co Charter Oak Blvd West Hartford 1 Conn
Rinck-McIlwaine Inc 16 Hudson St N Y 13 N Y
Servwell Products Co 6519 Euclid Ave Cleveland 3 Ohio
Shield Brand—See Standard Tool Co.
Sioux—See Albertson & Co
Spiral Step Tool Co 5400 N Damen Ave Chicago 25 Ill (Spiral step)
Standard Tool Co 3950 Chester Ave Cleveland 14 Ohio "Shield Brand"
Threadwell Tap & Die Co., Greenfield, Mass
Union Twist Drill Co., Monroe St., Athol, Mass.
W-S—See Wendt-Sonis Co.
Wendt-Sonis Co 10th & Collier Sts Hannibal Mo "W-S" (Carbide tipped)
Whitman & Barnes Div of United Greenfield Corp 40065 Plymouth Rd Plymouth Mich "Blue Diamond" "Hercules"
Willey's Carbide Tool Co., 1340 W. Vernor Highway, Detroit 1, Mich.

DRIP PANS—See Pans, Drip

DRIVE PINS—See Pins, Drive

DRIVE SCREWS—See Screws, Drive

DRIVE SHAFTS—See Shafts, Propeller

DRIVERS, Bushing

Beard Tool Co L O Andrew & Mill Sts Lancaster Pa
Douglass Tool Co 5251 Pattison Ave St Louis 10 Mo
Nasa Tool Mfg Corp 3427 Locust Corner Rd Amelia Ohio
National Machine & Tool Co., 4077 Page Ave., Jackson, Mich.
OTC—See Owatonna Tool Co.
Owatonna Tool Co., 342 N. Cedar St., Owatonna, Minn. "OTC."
Zoerman-Clark Mfg Co 624 N Mechanic St Jackson Mich

DRIVERS, Screw (Portable Electric)

Albertson & Co 3100 Lowell Ave Sioux City 3 Iowa "Sioux"
Black & Decker Mfg Co 629 Pennsylvania Ave Towson 4 Md "Scrugun"
Chicago Pneumatic Tool Co 6 E 44th St New York N Y "Universal" "Hicycle" & "Supercycle"
Hicycle—See Chicago Pneumatic Tool Co
Ingersoll-Rand Co 11 Broadway, New York 4 N Y
Millers Falls Co 57 Wells St Greenfield Mass
Milwaukee Electric Tool Co 5350 W State St Milwaukee 8 Wis
Remington Arms Co 939 Barnum Ave Bridgeport 2 Conn
Scrugun—See Black & Decker Mfg Co
Sioux—See Albertson & Co
Skil Corp 5033 Elston Ave Chicago 30 Ill "Skil Drivers"
Stanley Electric Tools, Div. of Stanley Works, 480 Myrtle St., New Britain, Conn.
Super Cycle—See Chicago Pneumatic Tool Co
Thor Power Tool Co 175 State St Aurora Ill
United States Electrical Co 3620 Llewelyn St Cincinnati 23 Ohio
Universal—See Chicago Pneumatic Tool Co.

DRIVERS, Screw (Portable Pneumatic)

Airetool Mfg Co Springfield Ohio
Albertson & Co 3100 Lowell Ave Sioux City 3 Iowa "Sioux"
Aro Equipment Co., Bryan, Ohio.
Buckeye Tools Corp 5005 Springboro Pike Dayton 9 Ohio
CP—See Chicago Pneumatic Tool Co
Chicago Pneumatic Tool Co., 6 E. 44th St., New York, N. Y. "CP," "Magnamatic," "Microtite."
Cleco Div. of Reed Roller Bit Co., 5125 Clinton Drive, Houston 1, Tex.
Dixon Automatic Tool Inc 2300 23rd Ave Rockford Ill
Gardner-Denver Co S Front St Quincy Ill
Ingersoll-Rand Co 11 Broadway New York 4 N Y
Magnamatic—See Chicago Pneumatic Tool Co
Master Power Corp Krick Rd Bedford Ohio
Microtite—See Chicago Pneumatic Tool Co
Powasert—See United Shoe Machinery Corp
Remington Arms Co 939 Barnum Ave Bridgeport 2 Conn
Rotor Tool Co 23600 Lakeland Blvd Cleveland 32 Ohio
Semspak—See Shakeproof Div
Shakeproof Div of Illinois Tool Works St Charles Rd Elgin Ill "Semspak"
Sioux—See Albertson & Co
Skil Corp Inc 5033 Elston Ave Chicago 30 Ill "Skil Driver"
Thor Power Tool Co 175 State St Aurora Ill
United Shoe Machinery Corp 140 Federal St Boston 7 Mass "Powasert"

DRIVERS, STUD—See Setters, Stud, Nut, Bolt and Lag Screw

DRIVES, Engine Fan, Generator, Windshield Wiper, Etc. (Auto)

Eaton Mfg Co Dynamatic Div 3122 14th Ave Kenosha Wis "Dynamatic" (Electromagnetic for fans)
Eaton Mfg Co Pump Div W Hanover St Marshall Mich "Eaton Visco-Drive" (Fan)
Schwitzer Corp 1125 Massachusetts Ave Indianapolis 7 Ind (Fan)

DRIVES, MACHINE TOOL—See Transmissions, Variable Speed (Industrial)

DRIVES, REAMER—See Reamers, Machine

DRIVES, REFRIGERATION SYSTEM (Truck and Trailer)—See Parts, Refrigeration Systems (Truck and Trailer)

DRIVES, Starter (Auto)

(For starter drive parts—see Parts, Starting Motor Drive)

Accurate Parts Inc 1313 S Jay St Kokomo 8 Ind
Bendix—See Eclipse Machine Div., Bendix Aviation Corp.
Eclipse Machine Div., Bendix Aviation Corp., Elmira, N. Y. "Bendix."

DRIVES, V-Belt

Dayton Industrial Products Co 2001 N Janice Ave Melrose Park Ill "Dayton Thoro-Trac" (Tandem axle for truck-tractors)
F A B Mfg Co 1249 67th St Oakland 8 Calif "Fabco" (Tandem axle)
Fabco—See F A B Mfg Co
Gates Rubber Co 999 S Broadway Denver 17 Colo (For pusher or trailing axles)

DRIVES, Variable Speed (Machine Tool)

Ajusto-Spede—See Louis Allis Co
Allis Co Louis 427 E Stewart St Milwaukee 7 Wis "Ajusto-Spede" "Select-A-Spede" "Allispede"
Allispede—See Louis Allis Co
Cleveland Worm & Gear Co Speed Variator Div 3274 E 80th St Cleveland 4 Ohio "Cleveland Speed Variator"
Dodge Mfg Corp 500 Main St Mishawaka Ind "Taper-Lock"
Dynaspede—See Eaton Mfg Co
Eaton Mfg Co Dynamatic Div 3122 14th Ave Kenosha Wis "Dynaspede"
Federal Machine & Welder Co 1745 Overland Ave Warren Ohio (For presses)
Reeves Pulley Div of Reliance Electric & Engrg Co 1225 Seventh St Columbus Ind
Reliance Electric & Engrg Co 24701 Euclid Ave Cleveland 17 Ohio
Select-A-Spede—See Louis Allis Co
Taper-Lock—See Dodge Mfg Corp
Weltronic Co 19500 W 8 Mile Rd Detroit 41 Mich
Westinghouse Electric Corp Gearing Div Pittsburgh Pa
Westinghouse Electric Corp Motor & Control Div Buffalo N Y

DRUMS, Brake

Al-Fin Div Fairchild Engine & Airplane Corp West Babylon L I N Y (Aluminum fins bonded to cast iron liners)
Budd Co 12144 E Charlevoix Ave Detroit 14, Mich (Combination iron and steel)
Campbell Wyant & Cannon Foundry Co Muskegon Mich "Cannonite" (Sand cast; centrifused)
Cannonite—See Campbell, Wyant & Cannon Foundry Co
Crosby Co 183 Pratt St Buffalo 5 N Y (Pressed steel)
Dayton Steel Foundry Co 1366 Miami Chapel Rd Dayton 1 Ohio (Iron)
Erie Malleable Iron Co (Automotive Wheel Div) 609 W 12th St Erie Pa (Cast alloyed iron)
Frank Foundries Corp 2020 Third Ave Moline Ill "Frankite" (Iron)
Frankite—See Frank Foundries Corp
Gunite Foundries Corp 302 Peoples Ave Rockford, Ill (Iron)
Homan & Co 511 Reading Rd Reading Cincinnati 15 Ohio (Iron)
Kaloy — See Kay-Brunner Steel Products, Inc
Kay-Brunner Steel Products Inc 999 Meridian Ave Alhambra Cal "Kaloy" (Iron, for truck trailers)
Kelsey-Hayes Co 2600 Military Ave Detroit 32 Mich (Composite iron and steel)
Motor Wheel Corp 735 E Saginaw St Lansing 3 Mich "Centrifuse"
Reyco—See Reynolds Mfg. Co.
Reynolds Mfg Co 600 N Prospect Ave Springfield 2 Mo "Reyco" (Special alloy iron)
Shuler Axle Co, 2901 S Second St., Louisville 8, Ky. (Special alloy iron.)

DRUMS, Steel Shipping

Columbian Steel Tank Co., 1409 W. 12th St. Kansas City 7, Mo.
IS—See Inland Steel Container Co.
Inland Steel Container Co., 6532 S. Menard Ave., Chicago 38, Ill. "IS."
USS—See United Steel Products Div
United States Steel Products Div United States Steel Corp 5100 Santa Fe Ave Los Angeles 58 Calif "USS"

DRYERS, Japanning and Varnish

Drying Systems Co 1810½ Foster Ave Chicago 40 Ill "Dry-Sys"
Dry-Sys—See Drying Systems Co
K & B—See Kirk & Blum Mfg Co
Mahon Co R 6565 E 8 Mile Rd Detroit 34 Mich (Japanning)
Ross Engrg Div Midland-Ross Corp J O 730 Third Ave New York 17 N Y
Steiner-Ives Co Springfield Rd Union N J (Japanning)
Young Bros Co 1831 Columbus Rd Cleveland 13 Ohio

DRYERS, METAL PARTS—See Machines, Drying (Metal Parts)

DRYING LAMPS—See Lamps, Drying, Baking and Heating

DUCK, ENAMELED — See Fabric, Coated Cloth (For Seat Covers, Tops and Upholstery, etc.)

DUCTING, Auto

Arrowhead Products Div of Federal-Mogul-Bower Bearings Inc 11031 Shoemaker Rd Detroit Mich (Metal plastic and rubber)

DUPLICATING MACHINES, METAL (DIE-LESS)—See Machines, Duplicating, Metal (Die-Less)

DYE, PENETRANT INSPECTION—See Compounds, Metal Testing

DYNAMOMETERS, Chassis Testing

Clayton Mfg Co 401 N Temple City Blvd El Monte Calif (Hydraulic)
Nankervis Co George L 15300 Fullerton St Detroit 27 Mich

DYNAMOMETERS, Engine Testing

Clayborne Mfg Co 429 N Main St Monticello Ind
Clayton Mfg Co 401 N Temple City Blvd El Monte Calif (Hydraulic)
Dynamatic—See Eaton Mfg Co Dynamatic Div
Eaton Mfg Co Dynamatic Div 3122 14th Ave Kenosha Wis "Dynamatic" (Eddy current)
G-E—See General Electric Co
General Electric Co Apparatus Sales Div 1 River Rd Schenectady 5 N Y "G-E" (Electric)
Hi-Eff—See Taylor Dynamometer & Machine Co.
Link Engrg 13840 Elmira Ave Detroit 27 Mich (Electric)
Nankervis Co George L 15300 Fullerton St Detroit 27 Mich
Taylor Dynamometer & Machine Co 6411 River Parkway Milwaukee 13 Wis "Hi-Eff"
Westinghouse Electric Corp Motor & Control Div Buffalo N Y

DYNAMOS, PLATING—See Machines, Plating

EJECTORS, WATER, OIL, CARBON & SLUDGE, AUTOMATIC (AIR TANK)—See Valves, Air Tank Drain (Automatic)

ELECTRICAL INSULATION, LIQUID — See Insulation, For Electric Parts (Liquid)

ELECTRO-MAGNETIC COUPLINGS — See Couplings, Electro-Magnetic

ELECTRODE HOLDERS—See Holders, Electrode

ELECTRODES, Welding—See Rods, Welding

ELECTROLYTE, Battery Acid

Aero Brand—See American Cyanamid Co.
American Cyanamid Co., 30 Rockefeller Plaza, New York 20, N. Y. "Aero Brand."
Delco-Remy Div General Motors Corp 2401 Columbus Ave Anderson Ind
du Pont de Nemours & Co., E. I., Industrial & Biochemicals Dept., Wilmington 98, Del.
Gould-National Batteries Inc Industrial Div 467 Calhoun St Trenton 7 N J

ELECTROLYTIC NICKEL—See Nickel, Electrolytic

ELECTROPLATING ANODES—See Anodes, Electroplating

ELECTROPLATING CHEMICALS — See Chemicals, Electroplating

ELECTRO-SPARK MACHINES — See Machines, Electro-Spark

ELEVATORS, Automobile and Parts

Jeffrey Mfg Co 846 N 4th St Columbus 16 Ohio
Link-Belt Co Dept 59-AIPG Prudential Plaza Chicago 1 Ill
Revolvator Co 2026 86th St North Bergen N J
Speidel Elevator Corp., W. Buttonwood & Gordon Sts., Reading, Pa.

ELEVATORS, Industrial (Portable)

Barrett-Cravens Co 630 Dundee Rd Northbrook Ill
Beltevetor—See E W Buschman Co
Bonded Scale & Machine Co 83 Bellevue Ave Columbus Ohio (Hydraulic)
Bosworth Mfg Co 34250 Mills Rd Avon Ohio
Buschman Co E W Spring Grove & Clifton Aves Cincinnati 32 Ohio "Beltevetor"
Colson Corp Elyria Ohio
Economy Engineering Co., 4511 W. Lake St., Chicago 24, Ill. "Economy Shoplifter."
Globe Hoist Co E Mermaid Lane & Queen St Philadelphia 18 Pa (Hydraulic)
Grand Specialties Co 3113 W Grand Ave Chicago 22 Ill
L-E-W—See Lippmann Engrg Wks Inc
L-S—See Lewis-Shepard Products Inc
Lewis-Shepard Products Inc 1050 Walnut St Watertown Mass "L-S" (Hand and electric)
Lippmann Engrg Works Inc 4603 W Mitchell St Milwaukee Wis "LEW"
Oliver Corp A B Farquar Div 142 N Duke St York Pa
Prab Conveyor Inc 30121 Groesbeck Hwy Roseville (Detroit) Mich (Magnetic)
Raymond Corp 151 Madison St Greene N Y
Revolvator Co 2026 86th St North Bergen N J (Hand, electric and oil hydraulic)
Weld-Bilt—See West Bend Equipment Corp.
West Bend Equipment Corp., 216 S. Water St., West Bend, Wis. "Welt-Bilt." (Hand and electric.)

EMBLEMS—See Monograms, Initials and Emblems, Ornamental

EMBOSSING DIES—See Dies, Embossing

EMERY CLOTH—See Cloth, Abrasive

EMERY PAPER—See Paper, Abrasive

EMERY WHEELS—See Wheels, Grinding

ENAMELS, Auto, Truck and Bus

Acme Quality Paints Inc 8250 St Aubin Ave Detroit 11 Mich "Fleet-X" "Super-Fleet-X"
Akron Paint & Varnish Co., 1390 Firestone Parkway, Akron 1, Ohio. "Bexco."
American Lacquer Solvents Co., Perkiomen Junction, Phoenixville, Pa. "Quix."
American Paint Co 902 Larrabee St Chicago 10 Ill "Artspar" "Dalax" (For commercial vehicles)
American Varnish Co 1138 N North Branch St Chicago 22 Ill "American" "Artspar"
Arco Co 7301 Bessemer Ave Cleveland 27 Ohio "Synite"
Artspar—See American Varnish Co.
Automotive Finishes Inc 8747 Brandt St Dearborn Mich "Fleet-Lux"
Bexco—See Akron Paint & Varnish Co
Boydell Bros Co 1121 E McNichols Rd Detroit 3 Mich
Bruning Bros Inc 4209 E Chase St Baltimore 5 Md
Dalax—See American Paint Co.
Ditzco—See Ditzler Color Div., Pittsburgh Plate Glass Co.
Ditzler Color Div., Pittsburgh Plate Glass Co., 8000 W. Chicago Ave., Detroit 4, Mich. "Ditzco."
Dulux—See E. I. du Pont de Nemours & Co
du Pont de Nemours & Co E I Fabrics & Finishes Dept Finishes Div Wilmington 98 Del "Dulux"
Dupli-Color Products Co 2440 S Michigan Ave Chicago 16 Ill
Duracron—See Forbes Finishes Div
Duracyrl—See Forbes Finishes Div
Exlon—See Sherwin-Williams Co
Fleet-Lux—See Automotive Finishes Inc
Fleet-X—See Acme Quality Paints Inc
Flood & Conklin Co., 132 Chestnut St., Newark 5, N. J
Forbes Finishes Div Pittsburgh Plate Glass Co 3800 W 143rd St Cleveland 11 Ohio "Duracron" "Duracryl" "Plastox" "Synco" "Raybake"
Frostex—See Frost Paint & Oil Corp.
Frost Paint & Oil Corp., 1209 Tyler St., N. E., Minneapolis 13, Minn. "Frostex."
Glidden Co 900 Union Commerce Bldg Cleveland 14 Ohio

Glyko—See Nason Products Div
Hardcote—See McDougall-Butler Co
Horn Co A Products Finishes Div 10th St & 44th Ave Long Island City 1 N Y
Hyspar—See Midland Paint & Varnish Co.
Illbronze—See Illinois Bronze Powder Co.
Illinois Bronze Powder Co., 2015 S. Clark St., Chicago, Ill. "Illbronze."
Interstate Enamel & Varnish Co 323 W 15th St Indianapolis Ind "Realcoat"
Kem—See Sherwin-Williams Co.
Krylon Inc Ford & Washington Sts Norristown Pa
Lavax—See Pittsburgh Plate Glass Co Paint Div
McDougall-Butler Co 2929 Main St Buffalo 14 N Y "Hardcote"
Martin-Senour Co 2500 Senour Ave Chicago 8 Ill "Synthol"
Midland Paint & Varnish Co 3801 E 91 St Cleveland 5 Ohio "Hyspar"
Modene Paint Co 305 Eastern Ave Chelsea 50 Mass
Nason Products Div W P Fuller & Co 450 E Grand Ave South San Francisco 3 Calif "Glyko"
Per-Max—See Rinshed-Mason Co
Pittsburgh Plate Glass Co Paint Div 1 Gateway Center Pittsburgh 22 Pa "Lavax"
Plasti-Kote Inc 9801 Harvard Rd NW Cleveland 5 Ohio
Plastox—See Forbes Finishes Div
Quix—See American Lacquer Solvents Co.
Raybake—See Forbes Finishes Div., Pittsburgh Plate Glass Co.
Realcoat—See Interstate Enamel & Varnish Co
Rinshed-Mason Co 5935 Milford St Detroit 10 Mich "Per-Max"
Sherwin-Williams Co 101 Prospect Ave N W Cleveland 1 Ohio "Kem" "Exlon"
Standard-Toch Chemicals Inc 2600 Richmond Terrace Staten Island 3 N Y "Stantox"
Stantox—See Standard-Toch Chemicals Inc
Steelcote Mfg. Co., 3418 Gratiot Ave., St. Louis 3, Mo
Super Fleet-X—See Acme Quality Paints Inc
Synco—See Forbes Finishes Div., Pittsburgh Plate Glass Co.
Synite—See Arco Co.
Synthol—See Martin-Senour Co.
Totrust—See Wilbur & Williams Co
Vita-Var Corp., 46 Albert Ave., Newark, N J "Vita-Lux."
Wilbur & Williams Co 650 Pleasant St Norwood Mass "Totrust"
Zac-Lac Paint & Lacquer Corp 350 Simpson St NW Atlanta 13 Ga

ENGINE CONTROL SWITCHES—See Switches, Engine Control (Machinery)

ENGINE COOLANT FILTERS—See Filters, Engine Coolant

ENGINE ENCLOSURES, INDUSTRIAL—See Housings, Engine and Generator

ENGINE HOUR METERS—See Meters, Engine Hour (Truck)

ENGINE JACKS—See Jacks, Engine

ENGINE OILS—See Oils, Engine

ENGINE SUPERCHARGER INTERCOOLERS—See Intercoolers, Engine Supercharger

ENGINE TESTING DYNAMOMETERS—See Dynamometers, Engine Testing

ENGINE TESTING INSTRUMENTS—See Analyzers, Engine and Electrical Equipment

ENGINES, Aircraft

Aircooled Motors Inc., Liverpool Rd., Syracuse 8, N. Y. "Franklin."
Allison Div General Motors Corp P O Box 894 Indianapolis 6 Ind
Continental Motors Corp Aircraft Engine Div Muskegon 82 Mich "Red Seal"
Franklin—See Aircooled Motors Inc
General Electric Co Flight Propulsion Div Cincinnati 15 Ohio
Herrmann Engrg Co 1405 Air-Way Glendale 1 Calif
Lambert—See Monocoupe Aircraft & Engine Corp
Lycoming Div Avco Mfg Corp 550 S Main St Stratford Conn
Monocoupe Aircraft & Engine Corp Melbourne Fla "Lambert"
Pratt & Whitney Aircraft Div of United Aircraft Corp 400 Main St East Hartford 8 Conn
Red Seal—See Continental Motors Corp.
Westinghouse Electric Corp Aviation Gas Turbine Div P O Box 288 Kansas City Mo
Wright Aeronautical Div Curtiss-Wright Corp Main & Passaic Sts Wood-Ridge N J

ENGINES, AUTOMOBILE (Diesel)—See Engines, Diesel

ENGINES, Auto, Truck and Bus (Gasoline)

(Covering manufacturers who build engines primarily for re-sale)

Aircooled Motors, Inc., Liverpool Rd., Syracuse 8, N. Y. "Franklin." (Truck.)
Allis-Chalmers Mfg Co Engine Material Handling Div 1135 S 70th St Milwaukee 1 Wis (Truck and bus)
Brennan Motor Mfg. Co., 500 E. Water St., Syracuse, N. Y. (Truck.)
Chevrolet Motor Div General Motors Corp General Motors Bldg Detroit 2 Mich
Continental Motors Corp Muskegon 82 Mich "Red Seal"
Ford Motor Co Engine & Foundry Div 3001 Miller Rd Dearborn Mich
Franklin—See Aircooled Motors, Inc
GMC Truck & Coach Div General Motors Corp 660 South Blvd E Pontiac 11 Mich (Truck and bus)
Hall-Scott—See Hercules Motors Corp
Hercules Motors Corp 101 11th St S E Canton 2 Ohio "Hall Scott" "Hercules" (Truck, tractor and bus)
Herrmann Engrg Co 1405 Air-Way Glendale 1 Calif (Truck and bus)
International Harvester Co., Harvester Bldg., 180 N. Michigan Ave., Chicago 1, Ill. (Truck, tractor and bus.)
Minneapolis-Moline Co Hopkins Minn (Gas and LP-Gas for tractors)
Red Seal—See Continental Motors Corp
Reo Div White Motor Co 1331 S Washington Ave Lansing 20 Mich (Truck and bus)
Roi Line—See Waukesha Motor Co
Studebaker-Packard Corp 635 S Main St South Bend 27 Ind
Waukesha Motor Co W St Paul Ave Waukesha Wis "Waukesha" "Roi Line" (Truck and bus)
White Motor Co., 842 E. 79th St., Cleveland 1, Ohio. (Truck and bus.)
Willys Motors Inc 940 N Cove Blvd Toledo 1 Ohio (Car and truck)
Wisconsin Motor Corp 1910 S 53rd St Milwaukee 46 Wis (Bus and truck)

ENGINES, Butane and Propane (Bus and Truck)

Allis-Chalmers Mfg Co Engine Material Handling Div 1135 S 70th St Milwaukee 1 Wis (Truck)
Continental Motors Corp Muskegon 82 Mich "Red Seal"
Hall-Scott—See Hercules Motors Corp
Hercules Motors Corp 101 11th St S E Canton 2 Ohio "Hall-Scott" "Hercules"
Red Seal—See Continental Motors Corp.
Reo Div White Motor Co 1331 S Washington Ave Lansing 20 Mich
Waukesha Motor Co W St Paul Ave Waukesha Wis
Wisconsin Motor Corp 1910 S 53rd St Milwaukee 46 Wis

ENGINES, Diesel

(For use in cars, trucks, buses, tractors, aircraft and motorboats)

Allis-Chalmers Mfg Co Engine Material Handling Div 1135 S 70th St Milwaukee 1 Wis **(Bus truck and marine)**
American Marc Inc 1601 W Florence Ave Inglewood Calif (Small)
B & W Lathrop—See Burmeister & Wain American Corp
Baldwin-Lima-Hamilton Corp Philadelphia National Bank Bldg Philadelphia 7 Pa (Marine)
Burmeister & Wain American Corp Lathrop Engine Div Holmes St Mystic Conn "B & W Lathrop" (Marine)
Caterpillar Tractor Co Peoria Ill (Marine)
Cerlist Diesel Inc 1709 N Church St Burlington N C (Automotive and marine)
Continental Motors Corp Muskegon 82 Mich **"Red Seal" (Truck tractor bus and marine)**
Cummins Engine Co 1000 Fifth St Columbus Ind (Truck bus tractor and marine)
Curtiss-Wright Corp Utica Div 50500 Mound Rd Utica Mich **"Mercedes-Benz" (Truck and marine)**
Detroit Diesel Engine Div General Motors Corp 13400 W Outer Drive Detroit 28 Mich (Truck bus and marine)
Enterprise Engine & Machinery Co 18th & Florida Sts San Francisco 10 Calif (Marine)
Fairbanks, Morse & Co., 600 S. Michigan Ave., Chicago 5, Ill. (Marine)
Fermont—See International Fermont Mchry Co
Gray Marine Motor Corp 710 Canton Ave Detroit 7 Mich "Gray" & "Graymarine" (Marine)
Hall-Scott—See Hercules Motors Corp
Hercules Motors Corp 101 11th St S E Canton 2 Ohio "Hall-Scott" "Hercules" (Truck, tractor and bus)
Hill Diesel Engine Div Berry-Hill Corp 1 Washington Ave Providence R I (Marine)
International Fermont Mchry Co Ramapo N Y "Fermont" (Small)
International Harvester Co., Harvester Bldg., 180 N. Michigan Ave., Chicago 1, Ill. (Tractor.)
Kahlenberg Bros Co 1202 Monroe St Two Rivers Wis (Marine)
Mack Trucks Inc 1000 S Second St Plainfield N J (Truck and bus)
Mercedes-Benz—See Curtiss Wright Corp
Minneapolis-Moline Co Hopkins Minn (Tractor; also small)
Nordberg Mfg Co 3078 S Chase Ave Milwaukee 1 Wis (Marine)
Onan & Sons Inc D W University Ave & S E at 25th St Minneapolis 14 Minn (Small)
P & H Diesel Engine Div Harnischfeger Corp 500 S Main St Crystal Lake Ill "P & H" (Automotive and marine)
Red Seal—See Continental Motors Corp.
Red Wing Marine Corp 1000 Levee St Red Wing Minn (Marine)
Scripps Motor Co 255 Vinewood Ave Detroit 16 Mich (Marine)
Sheppard Co R H 101 Philadelphia St Hanover Pa (Marine)
Waukesha Motor Co W St Paul Ave Waukesha Wis (Truck and bus)
White Diesel Engine Div White Motor Co 1401 Sheridan Ave Springfield Ohio

ENGINES, GASOLINE POWER UNITS—See Power Units

ENGINES, Industrial

Caterpillar Tractor Co Peoria Ill (Diesel)
Cerlist Diesel Inc 1709 N Church St Burlington N C (Diesel)
Chrysler Corp Marine & Industrial Engine Div Detroit 31 Mich (Gasoline)
Continental Motors Corp Muskegon 82 Mich "Red Seal" (Gasoline butane natural gas and Diesel)
Fageol Marine Engine Co 888 Gull St San Diego 1 Calif (Gasoline)
Ford Div Ford Motor Co Industrial Engine Div Box 598 Dearborn Mich
Hercules Motors Corp 101 11th St S E Canton 1 Ohio
Red Seal—See Continental Motors Corp
Waukesha Motor Co W St Paul Ave Waukesha Wis (Diesel gasoline and LP-Gas)

ENGINES, Small (Gasoline)

Bee-Line—See **Mustang** Motor Products Corp
Briggs & Stratton Corp 2711 N 13th St Milwaukee 1 Wis
Clinton Engines Corp Maple & Clark Sts Maquoketa Ia
Continental Motors Corp Muskegon 82 Mich "Red Seal"
Cushman Motor Works, Inc., 920 N. 21st St., Lincoln, Neb.
Fairbanks Morse & Co 600 S Michigan Ave Chicago 5 Ill
Hercules Motors Corp 101 11th St S E Canton 2 Ohio
Kohler Co Kohler Wis (Air cooled)
Lauson Engine Div Tecumseh Products Co New Holstein Wis
McCulloch Corp., 6101 W Century Blvd Los Angeles 45 Calif
Minneapolis-Moline Co Hopkins Minn
Mustang Motor Products Corp 241 Concord St Glendale 3 Calif "Bee-Line"
Onan & Sons Inc D W University Ave S E at 25th St Minneapolis 14 Minn
Power Products Div Tecumseh Products Co Grafton Wis
Red Seal—See Continental Motors Corp
Reo Div White Motor Co 1331 S Washington Ave Lansing 20 Mich
Sensation Mower Inc 7577 Burlington St Ralston Nebr
Universal Motor Co 1552 Harrison St Oshkosh Wis
West Bend Aluminum Co West Bend Wis
Wisconsin Motor Corp., 1910 S. 53rd St., Milwaukee 46, Wis.

EQUIPMENT, DIESEL ENGINE—See Injection Systems, Diesel & Gasoline Engine; also Filters, Fuel (For Diesel Engines); also Motors, Starting (Electric)

ETCHING MACHINES—See Tools, Electric Marking

EXCHANGERS, Heat

Adams Co R P 264 E Park Drive Buffalo 17 N Y
B & G—See Bell & Gosset Co
Bell & Gosset Co 8200 Austin Ave Morton Grove Ill "B & G"
Hanson-Van Winkle-Munning Co Matawan N J
Harrison Radiator Div General Motors Corp Washburn & Walnut Sts Lockport N Y
Long Mfg Div Borg-Warner Corp 12501 Dequindre St Detroit 12 Mich
Modine Mfg Co 1500 DeKoven Ave Racine Wis
Yates-American Machine Co Beloit Wis
Young Radiator Co 709 S Marquette St Racine Wis

EXHAUST PIPES—See Pipes, Tail and Exhaust

EXHAUST PURIFIERS, FOR INTERNAL COMBUSTION ENGINES—See Purifiers, Exhaust (For Internal Combustion Engines)

EXPANDING MACHINES, HYDRAULIC—See Machines, Expanding (Hydraulic)

EXPANSION PLUGS—See Plugs, Core Hole and Expansion

EXTINGUISHERS, Fire (Hand)

Alfite—See American-LaFrance Corp
Allen Mfg Co 566 W Lake St Chicago Ill
American-LaFrance Corp 157 E LaFrance St Elmira N Y "Alfite" "Foamite" "Valex" "American LaFrance" "Fire-Gun"
Ansul Chemical Co., Fire Extinguisher Div., Marinette, Wis. (Dry chemical.)
Anthes Force Oiler Co 20th St & Ave M Ft Madison Iowa
Bostwick Laboratories Inc Aerosol Div B T Babbitt Inc 625 Madison Ave N Y 22 N Y "Hero"
Buffalo—See Fyr-Fyter Co
C-O-Two—See Fyr-Fyter Co
D & D—See Heet Div of DeMert & Dougherty Inc
Diener Mfg. Co., Geo. W., 400 Monticello Ave., Chicago 24, Ill.
Dietz Co R E 225 Wilkinson St Syracuse 1 N Y
Elkhart Brass Mfg Co 1302 W Beardsley Ave Elkhart Ind
Fire-Gun—See American-LaFrance Corp
Fire-Killer Mfg. Co., 107 N. Franklin St., Syracuse 1, N. Y
Foamite—See American-LaFrance Corp
Fyr-Fyter Co 221 Crane St Dayton Ohio "Buffalo" "C-O-Two" "Fyr-Fyter" "Pyrene"
General Fire Extinguisher Corp 6801 Rising Sun Ave Philadelphia 11 Pa "General Quick Aid Fire-Guard" (Eastern United States)
General Pacific Corp 8740 Washington Blvd Culver City Calif "General Quick-Aid Fire-Guard" (Western United States)
Heet Div of DeMert & Dougherty Inc 3001 W 47th St Chicago 32 Ill "D&D"
Hero—See Bostwick Laboratories Inc
K-D Lamp Co 1910 Elm St Cincinnati 10 Ohio
Kent Extinguisher Co., 830 Front St., N. W., Grand Rapids, Mich.
Kidde & Co., Walter, 675 Main St., Belleville 9, N. J
Lenk Mfg Co Franklin Ky
Liquid Glaze Inc 704 Sheridan St Lansing 6 Mich "Spaire" (Extinguishes fire or inflates tire)
Merilite Industries Inc 114 E 32nd St N Y 16 N Y "Presto"
P-K—See Plasti-Kote Inc
Plasti-Kote Inc 9301 Harvard Rd NW Cleveland 5 Ohio "P-K"
Power-Pak Products Inc 43 Pearl St Buffalo 2 N Y (Combination tire inflator and fire extinguisher)
Presto—See Merilite Industries, Inc.
Protectoseal Co 1920 S Western Ave Chicago 8 Ill
Pyrene—See Fyr-Fyter Co
Red Comet Inc Red Comet Bldg Littleton Colo
Safety Fire Extinguisher Co 293 7 Ave N Y 1 N Y
Safety First Products Corp 175 Saw Mill River Rd Elmsford N Y "Safety-First" (Hands); "Safe-T-meter" (Pressurized)
Safe-T-meter—See Safety First Products Corp
Seco Mfg Inc 4461 W Jefferson Ave Detroit 9 Mich
Snyder & Son Inc M L 1827 E York St Philadelphia 25 Pa "Stempel"
Spaire—See Liquid Glaze Inc
Spray Products Corp 725 Kenilworth Ave Merchantville 10 N J
Sprazit—See Plasti-Kote Inc
Stempel—See M L Snyder & Son Inc
Stop-Fire Inc U S Highway 1 at Black Horse Lane New Brunswick N J
Valex—See American-LaFrance Corp
Yankee Metal Products Corp 25 Grand St Norwalk Conn

EXTRACTORS, Bolt and Screw

Blackhawk—See New Britain Machine Co
Blue Point—See Snap-On Tools Corp.
C. & G. Wheel Puller Co., Scio, N. Y. (Stud.)
Chicago-Latrobe 426 W Ontario St Chicago 10 Ill (Screw)
Cleveland Twist Drill Co., 1242 E. 49th St., Cleveland 14, Ohio. "Ezy-Out."
Cornwell Quality Tools Co., Mogadore, Ohio.
Duro Metal Products Co., 2649 N. Kildare Ave., Chicago 39, Ill.
Ezy-Out—See Cleveland Twist Drill Co.
Greenfield Tap & Die Div United-Greenfield Corp Sanderson St Greenfield Mass "Little Giant"
Groove-Rite Tool Co 40300 Grand River Ave Novi Mich (Piston screw for Pontiac and Oldsmobile cars)
Herbrand Div., Bingham-Herbrand Corp., Lake & Stone Sts., Fremont, Ohio. "Herbrand," "Van Chrome."
Keystone Reamer & Tool Co., Millersburg, Pa.
Lightnin—See R. J. Loock & Co.
Little Giant—See Greenfield Tap & Die Div
Loock & Co., R. J., 343 N. Gay St., Baltimore, Md. "Lightnin." (Screw.)
National Machine & Tool Co 4077 Page Ave Jackson Mich (Stud)
New Britain Machine Co Hand Tool Div South St New Britain Conn "Blackhawk" & "New Britain"
OTC—See Owatonna Tool Co.
Oldforge—See Quality Tools Corp.
Owatonna Tool Co., 342 N. Cedar St., Owatonna, Minn. "OTC."
P & C Tool Co Box 5926 Milwaukie Ore
Proto Tools Co 2209 Santa Fe Ave Los Angeles 54 Calif
Quality Tools Corp Railroad St New Wilmington Pa "Oldforge" (Screw)
Reps Tool Co Box 5 Elmwood Branch, Hartford 10 Conn (Also stud)
Rimac—See Rinck-McIlwaine Inc
Rinck-McIlwaine Inc 16 Hudson St N Y 13 N Y "Rimac"
Roddick Tool Co 1023 Pauline St Anaheim Calif "Wedge-Pruf" (Screw)
Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis. "Blue Point."
Spray Products Corp 725 Kenilworth Ave Merchantville 10 N J
Titan Tool Co E Main St Fairview Pa "Titan-Kirkland" (Combination stud driver and remover)
Van Chrome—See Herbrand Div., Bingham-Herbrand Corp.
Vermont Tap & Die Corp Main & Grove Sts Lyndonville Vt (Screw)
Wedge-Pruf—See Roddick Tool Co
Whitman & Barnes Div of United Greenfield Corp 40085 Plymouth Rd Plymouth Mich (Screw)
Wilde Drop Forge & Tool Co 2938 Fairmount Ave Kansas City Mo (Stud)
Williams & Co J H 400 Vulcan St Buffalo 7 N Y (Stud)
Zim Mfg Co 3037 Carroll Ave Chicago 12 Ill (Stud)

EXTRUDING MACHINES—See Machines, Extruding

EXTRUSIONS, Aluminum

Aluminum Extrusions Inc 815 Shepherd St Charlotte Mich
Anaconda Aluminum Co P O Box 1654 Louisville Ky
Bridgeport Brass Co 30 Grand St Bridgeport 2 Conn
Dee-Gee—See Detroit Gasket & Mfg Co
Detroit Gasket & Mfg Co 12640 Burt Rd Detroit 23 Mich "Dee-Gee"
Harvey Aluminum 19200 S Western Ave Torrance Calif
Reynolds Metals Co 6601 Broad St Richmond 19 Va
Thompson Products Light Metals Div Thompson - Ramo - Wooldridge Inc 2269 Ashland Rd Cleveland 3 Ohio

EXTRUSIONS, Steel

Babcock & Wilcox Co Tubular Products Div Beaver Falls Pa

EYE BOLTS—See Bolts, Eye

EYE PROTECTORS—See Goggles, Mechanics' and Welders'

FABRIC, Backing (For Upholstery)

Wellington Sears Co 111 W 40th St N Y 18 N Y "Lantuck" (Non-woven; "Knit Kote" knit; cotton and synthetic)

FABRIC, Coated Cloth (For Parts)

(Including carburetors, diaphragms, gaskets, valve seats, etc.)

Armalon—See du Pont de Nemours & Co
Blossom Mfg Co 2337 McDonald Ave Brooklyn N Y (For fuel pump diaphragms)
Bunalon—See Kem Mfg Co
Cohrlastic—See Connecticut Hard Rubber Co
Col-O-Tex—See Columbus Coated Fabrics Corp.
Columbus Coated Fabrics Corp Seventh & Grant Aves Columbus 16 Ohio "Col-O-Tex" "Plastovin"
Connecticut Hard Rubber Co 407 East St New Haven 9 Conn "Cohrlastic" (Silicone rubber coated)
du Pont de Nemours & Co E I Fabrics & Finishes Dept Fabrics Div "Fairprene" (Synthetic rubber coated for diaphragms, gaskets, washers, packing and seam sealants; "Armalon" TFE-fluorocarbon resin coated glass fabric for gaskets, diaphragms, bearing seals, etc)
Fairprene—See E. I. du Pont de Nemours & Co.
Garlock Packing Co 402 Main St Palmyra N Y
Haartz-Mason Inc Mechanical Products Inc 270 Pleasant St Watertown 72 Mass (Synthetic rubber coated for fuel pump and oil pressure switch diaphragms and gaskets)
Irvington Varnish & Insulator Div Minnesota Mining & Mfg Co 6 Argyle Terrace Irvington 11 N Y
Kem Mfg Co 20-21 Wagaraw Rd Fair Lawn N J "Bunalon" (For fuel pump diaphragms)
Plastovin—See Columbus Coated Fabrics Corp.
Reevecote—See Reeves Bros Inc
Reeves Bros Inc Vulcan Rubber Products Div 1071 Ave of The Americas N Y 18 N Y "Reevecote"
United States Rubber Co., Rockefeller Center, 1230 Ave. of the Americas, New York 20, N. Y.

FABRIC, Coated Cloth (For Seat Covers, Tops, Upholstery, Etc.)

Athol Mfg Co 71 Chestnut Hill Ave Athol Mass "Terek" "Terson" (For seat covers and upholstery)
Blossom Mfg Co 2337 McDonald Ave Brooklyn N Y (For curtains)
Brockton Stay Co 24 Essex St Haverhill Mass (For convertible tops)
Burlington Mills Inc Burlington Wis "Bur-Tex" (Plastic coated, for kick plates, dash seals, floor coverings, head lining, trunk lining, etc)
Bur-Tex—See Burlington Mills, Inc.
Cohyde—See Interchemical Corp Cotan Div Div
Col-O-Tex—See Columbus Coated Fabrics Corp.
Columbia Mills Inc Syracuse 1 N Y "Tan-O-Lite" (For seat covers and upholstery)
Columbus Coated Fabrics Corp Seventh & Grant Aves Columbus 16 Ohio "Col-O-Tex" (For upholstery and trim)
Cotan Duplex—See Interchemical Corp
Coverlight—See Reeves Bros Inc
Duncan Co W H 1186 Union St Brooklyn 21 N Y "Dunotex"
Dunotex—See W. H. Duncan Co.
du Pont de Nemours & Co., E. I., Fabrics & Finishes Dept Fabrics Div Wilmington 98 Del ("Fabrilite" vinyl coated for seat covers, upholstery, trim, bindings, etc)
Duratop—See Textileather Div of General Tire & Rubber Co
Elastolex—See Textileather Div of General Tire & Rubber Co
Fabrilite—See E. I. du Pont de Nemours & Co., Fabrics Div.
Federal Industries Div of Textron Industries Inc 681 Main St Belleville 9 N J (Vinyl, pyroxylin and plastic coated; sole distributors R G Olso Associates 527 New Centre Bldg Detroit Mich)
Mass "Goodalete" (Upholstery; sole dis-Newark 5 N J "Cohyde" (For seat covers and upholstery "Cotan Duplex" for tops)
Goodall-Sanford Inc Reading Div Reading Mass "Goodallite" (Upholstery; sole distributors Goodall Vinyl Fabrics Inc 1430 Broadway N Y 18 N Y)
Goodrich Industrial Products Co B F 500 S Main St Akron 18 Ohio "Koroseal"
Haartz Auto Fabric Co 3 Bridge St Newton 58 Mass "Jonarts Cleaneasy" "Jonarts Stayfast" "Jonarts Haartex" (For tops and decking)

Haartz-Mason Inc Mechanical Products Div 270 Pleasant St Watertown 72 Mass (For truck tarpaulins, engine covers, etc)
Hettrick Mfg. Co., Summit & Magnolia Sts., Toledo, Ohio.
Interchemical Corp Cotan Div 341 Oliver St Newark 5 N J "Co Hyde" (for seat covers and upholstery "Cotan" Duplex for tops)
Jamestown Finishes Inc 125 Blackstone Ave Jamestown N Y "Tavalon" (For interior trim)
Joanna-Western Mills Co 22nd & Jefferson Sts Chicago Ill (Plastic coated for upholstery trim and seat cover)
Jonarts Cleaneasy—See Haartz Auto Fabrics Co.
Jonarts Haartex—See Haartz Auto Fabrics Co
Jonarts Stayfast—See Haartz Auto Fabric Co.
Karavan—See Landers Corp
Koroseal—See B F Goodrich Industrial Products Co
Landers Corp Buckingham & Blucher Sts Toledo 1 Ohio ("Karavan" & "Oympia" for convertible tops; "Versilan" for upholstery and auto trim; "Resilan" for seat covering)
Niagara Fabrics Mfg. Co., 161 Grand St., New York 13, N. Y. (Top and decking.)
Nygen Tolex—See Textileather Div of General Tire & Rubber Co
Olympia—See Landers Co
Pantasote Co 415 Madison Ave N Y 22 N Y "Wynsote" (Upholstery)
Reeve Bros Inc 1071 Ave of The Americas N Y 18 N Y "Coverlight" (Tarpaulins etc)
Resilan—See Landers Corp
Tavalon—See Jamestown Finishing Products Inc
Terek—See Athol Mfg. Co.
Terson—See Athol Mfg. Co.
Textileather Div of General Tire & Rubber Co 607 Madison Ave Toledo 3 Ohio "Textileather" (Pyroxylin coated for upholstery and trim; "Tolex" & "Nygen Tolex" vinyl coated for upholstery and trim; "Elastolex" vinyl coated knit; "Duratop" for tops)
Tolex—See Textileather Div of General Tire & Rubber Co
U. S. Naugahyde—See United States Rubber Co.
United States Rubber Co Rockefeller Center 1230 Ave of the Americas N Y 20 N Y "U S Naugahyde"
Versilan—See Landers Corp
Weymouth Art Leather Co 180 Pearl St South Braintree 85 Mass "Weymolite" "Weymosol"
Wynsote—See Pantasote Co

FABRIC, Fibre (Seat Cover)

American Cyanamid Co Plastics & Resins Div 30 Rockefeller Plaza N Y 20 N Y "Melostrength"
Chicopee Mills Inc Lumite Div 47 Worth St N Y 13 N Y "Luxel Fibre"
Columbus Fiber Mills Co 45th St & River Rd Columbus Ga
Luxel Fiber—See Chicopee Mills Inc Lumite Div
Melostrength—See American Cyanamid Co
Textilene Sunsure—See E. W. Twitchell, Inc.
Twitchell, Inc., E. W., Third & Somerset Sts., Philadelphia 33, Pa. "Textilene Sunsure." (Vinyl coated.)

FABRIC, Plastic (For Tops, Upholstery and Seat Covers)

Blossom Mfg Co 2337 McDonald Ave Brooklyn N Y (Seat covers)
Bolta Product Div General Tire & Rubber Co 70 Garden St Lawenrce Mass "Boltaflex" (For upholstery; also quilted for seat covers and trim)
Chicopee Mills Inc Lumite Div 47 Worth St N Y 13 N Y "Lumite" (Upholstery and seat covers)
Colovin—See Columbus Coated Fabrics Corp
Columbus Coated Fabrics Corp 7th & Grant Aves Columbus 16 Ohio "Colovin"
Columbus Fiber Mills Co 45th St & River Rd Columbus Ga (Seat cover)
Dow Chemical Co Midland Mich (Saran for seat covers)
Filmtex—See Toscony Fabrics Inc
Firestone Plastics Co., P. O. Box 690, Pottstown Pa "Velon"
Kalitex—See United States Plywood Corp
Kalistron—See United States Plywood Corp
Krene—See Union Carbide Plastics Co
Lumite—See Chicopee Mills Inc
Masland Duraleather Co Amber & Willard Sts Philadelphia 34 Pa "Masland Duran" (Upholstery)
Toscony Fabrics Inc 303 Fifth Ave N Y 16 N Y "Filmtex"
Union Carbide Plastics Co Div of Union Carbide Corp 30 E 42nd St N Y 17 N Y "Krene" (Clear plastic)
United States Plywood Corp Weldwood Bldg 55 W 44th St N Y 36 N Y "Kalistron" "Kalitex" (Vinyl)
Velon—See Firestone Plastics Co
Wendell Plastic Fabrics Corp 17 W 17th St N Y 11 N Y (Seat cover)

FABRIC, Seat Cover

(See also Fabric Coated Cloth; Fabric Plastic [For Tops, Upholstery and Seat Covers]; also Fabric Upholstery)
American Cyanamid Co Plastics & Resins Div 30 Rockefeller Plaza N Y 20 N Y "Melostrength"
Burg Co A S 116 South St Boston Mass (Rayon and nylon; also rayon and cotton trim)
Carlinn Fabrics Corp 81 Essex St Boston 11 Mass (Cotton-rayon and synthetic)
Chicopee Mills Inc Lumite Div 47 Worth St N Y 13 N Y "Chixon" (Rayon)
Chixon—See Chicopee Mills Inc
Colovin—See Columbus Coated Fabrics Corp
Columbus Coated Fabrics Corp 7th & Grant Aves Columbus 16 Ohio "Colovin" (Vinyl plastic)
Elasticon—See Lushan Co
Elastolex—See Textileather Div
Ellenboro Mills Inc Ellenboro N C "Nycar"
Fabricon—See Lushan Co
General Tire & Rubber Co Englewood & Holmes Ave Akron 9 Ohio "Genflex"
Genflex—See General Tire & Rubber Co
Goodall-Sanford Inc Reading Div Reading Mass "Goodallite" (Sole distributors Goodall Vinyl Fabrics Inc 1430 Broadway N Y 18 N Y)
Lushan Co 144 Moody St Waltham 54 Mass "Elasticon" "Fabricon" "Plasticon"
Melostrength—See American Cyanamid Co
Nycar—See Ellenboro Mills Inc
Oakland Textile Co., 379 Fourth Ave., New York 16, N. Y. (Nylon.)
Plasticon—See Lushan Co
Spradlings, Inc., 1112 S. Grand Blvd., St. Louis, Mo. (Paper fibre, cotton and plastic.)
Textileather Div of General Tire & Rubber Co 607 Madison Ave Toledo 3 Ohio "Elastolex" (Plastic)

FABRIC, Synthetic (For Parts)

(For carburetors, diaphragms, gaskets, valve seats, etc.)
Chicopee Mills Inc Lumite Div 47 Worth St N Y 13 N Y "Lumite"
Col-O-Tex—See Columbus Coated Fabrics Corp
Columbus Coated Fabrics Corp 7th & Grant Aves Columbus 16 Ohio "Col-O-Tex"
Columbus Fiber Mills Co 45th St & River Rd Columbus Ga (Filters)
Kem Mfg 20-21 Wagaraw Rd Fair Lawn N J (Fuel pump diaphragms)
Lumite—See Chicopee Mills Inc
Wellington Sears Co 111 W 40th St N Y 18 N Y (Filters)

FABRIC, Upholstery (Woven Cloth)

Bachmann Uxbridge Worsted Co Div of Amerace Corp Uxbridge Mass (Nylon and rayon; sole distributors John W Gillette & Co Puritan Center Bldg 16115 Meyers Rd Detroit 35 Mich)
Blumenthal & Co Sidney 1 Park Ave N Y 16 N Y
Chatham Mfg Co Elkin N C (Broadcloth, nylon and whipcord; sole distributors Getsinger-Fox Co 1715 Fisher Bldg Detroit Mich)
Chicopee Mills Inc Lumite Div 47 Worth St New York 13 N Y "Chic-Spun" (Rayon and nylon)
Chic-Spun—See Chicopee Mills Inc
Collins & Aikman Corp 210 Madison Ave New York N Y
Ellis Mills, Inc., A. D., Monson, Mass. "Emberton." (Bedford cord and broadcloth.)
Emberton—See A. D. Ellis Mills Inc
Pacific Mills Auto Fabrics Div Pacific Mills Domestics Corp 1430 Broadway N Y 18 N Y (Boucle, Bedford cord, broadcloth)
Stevens & Co J P 803 W 11 Mile Rd Royal Oak Mich

FABRIC CUTTING MACHINES — See Machines, Fabric Cutting

FABRIC DRILLING MACHINES — See Machines, Fabric Drilling

FACE GRINDING MACHINES—See Machines, Grinding (Face)

FACE PLATE JAWS—See Jaws, Face Plate (Portable)

FACINGS, Clutch

Amco—See Asbestos Mfg Co
American Brakeblok Div American Brake Shoe Co 900 W Maple Rd Troy Mich (Asbestos)
Armstrong Cork Co Industrial Div 7011 Imperial Ave Lancaster Pa (Cork and rubber fibre)
Asbestos Mfg. Co., E. Sabine St., Huntington, Ind "Amco" (Asbestos)
Atlas Asbestos Co 469 Walnut St North Wales Pa (Asbestos)
Gatke Corp., 228 N. LaSalle St., Chicago 1, Ill (Asbestos)
Grey-Rock Div of Raybestos-Manhattan Inc Manheim Pa (Asbestos also metallic)
J-M—See Johns-Manville
Johns-Manville 22 E 40th St New York 16 N Y "J-M" & "S W" (Asbestos)
National Brake Block Co 37-17 57th St Woodside 77 N Y (Asbestos)
Porter Co H K Thermoid Div 200 Whitehead Rd Trenton 6 N J "Thermoid" (Asbestos)
R/M—See Raybestos-Manhattan Inc.
Raybestos Div of Raybestos-Manhattan Inc 75 E Main St Stratford 2 Conn (Asbestos and metallic)
Raybestos-Manhattan Inc Equipment Sales Div P O Box 1021 Bridgeport Conn "R/M"
Rex-Hide Brake Lining Co 515 Prospect St East Orange N J (Asbestos)
Rockford Clutch Div Borg-Warner Corp 1319 18th Ave Rockford Ill
Rusco—See Russell Mfg. Co.
Russell Mfg. Co., E. Main St., Middletown Conn "Rusco" (Asbestos)
S W—See Johns-Manville
Scandinavia Belting Co 112 Keswick Ave Charlotte 1 N C (Asbestos)
Thermoid—See H K Porter Co Thermoid Div
Universal Friction Materials Div of Gairing Tool Co 1700 United Artists Bldg Detroit 26 Mich
Wellman Co S K 200 Egbert Rd Bedford Ohio (Metallic)
World Bestos Div of Firestone Tire & Rubber Co 1112 S 25th St New Castle Ind

FAN BELTS—See Belts, Auto (Fan, Water Pump, Generator, etc.)

FAN DRIVES—See Drives, Engine Fan, Generator, Windshield Wiper, etc (Auto)

FANS, Defrosting and Ventilating, Electric (Auto)

Casco Products Corp., 512 Hancock Ave., Bridgeport 3, Conn. "Casco," "Perfection."
Chicago Mfg Co 411 N Trumbull Ave Chicago Ill (Defrosting for buses and trucks)
Diehl Mfg. Co., Finderme Plant, 1011 Finderme Ave., Somerville, N. J. (Ventilating, for buses and trucks)
Evans Products Co 13101 Eckles Rd Plymouth Mich (For trucks)
HaDees Heater Products Huppower Div Hupp Corp 7450 Melville Ave Detroit 17 Mich
Lydon-Bricher Mfg. Co., 2500 University Ave., St. Paul 14, Minn. "McKay." (For buses and trucks.)
McKay—See Lydon-Bricher Mfg. Co.
Perfection—See Casco Products Corp.
Roto-Beam, 1755 N. Keeler St., Chicago 39, Ill.
Signal Mfg Co 69 Bennett St Lynn Mass

FANS, Exhaust Drying

(For use in connection with drying room equipment)
ABC—See American Standard Industrial Div
ABC Siroco—See American Standard Industrial Div
American Standard Industrial Div Detroit 32 Mich "ABC" "ABC Sirocco"
Axivane—See Joy Mfg Co
Binks Mfg Co 3120 Carroll Ave Chicago 12 Ill
Buffalo Forge Co 490 Broadway Buffalo 4 N Y
Champion Blower & Forge Co., Harrisburg Ave. & Charlotte St., Lancaster, Pa.
Clarage Fan Co., North & Porter Sts., Kalamazoo, Mich.
DeVilbiss Co., 300 Phillips Ave., Toledo 1, O.
Emerson Electric Mfg. Co., 8100 Florissant Ave., Detroit 21, Mich.
Ilg Electric Ventilating Co 2850 N Pulaski Rd Chicago 41 Ill
Joy Mfg Co 333 Oliver Bldg Pittsburgh 22 Pa "Axivane"
K & B—See Kirk & Blum Mfg. Co.

FANS, Exhaust Drying—continued

Kirk & Blum Mfg Co 3120 Forrer St Cincinnati 9 Ohio "K & B"
M & E Mfg Co 2571 Winthrop Ave Indianapolis 5 Ind
Spraco—See Spray Engineering Co
Spray Engineering Co 100 Cambridge St Burlington Mass "Spraco"
Standard Electric Mfg Co Haddon Ave West Berlin N J
Westinghouse Electric Corp., Sturtevant Div., 15 Damon St., Hyde Park, Boston 36, Mass.

FANS, Radiator

Autofan—See Hayes Industries Inc
Bull Dog—See Jambor Tool & Stamping Co.
Eaton Mfg. Co., 739 E. 40th St., Cleveland 10, Ohio.
Everhot Products Co 2001 W Carroll Ave Chicago 12 Ill "Everkool"
Everkool—See Everhot Products Co
Hayes Industries, Inc., Wildwood & Fern Aves., Jackson, Mich. "Autofan."
Hy Duty—See Schwitzer Corp
Jambor Tool & Stamping Co 3057 N 30th St Milwaukee 10 Wis "Bull Dog" (For Chevrolet cars)
Schwitzer Corp 1125 Massachusetts Ave Indianapolis 7 Ind "Hy Duty"; "Thermatic" (Thermostatically controlled)
Service Products Corp 201 S Rural St Indianapolis 1 Ind
Thermatic—See Schwitzer Corp

FASTENERS, Belt

Alligator—See Flexible Steel Lacing Co.
Clipper Belt Lacer Co., 974 Front Ave., N. W. Grand Rapids 2, Mich.
Flexco—See Flexible Steel Lacing Co.
Flexible Steel Lacing Co 4607 Lexington St Chicago 44 Ill "Alligator" "Flexco" "Flex V" "Turtle"
Flex V—See Flexible Steel Lacing Co.
Greene Tweed & Co North Wales Pa "Moran's."
Gripper—See Rawhide Products Co.
Moran's—See Greene, Tweed & Co.
Rawhide Products Co., Michigan Ave., Kenilworth, N. J. "Gripper."
Rhoads & Sons J E 2100 W 11th St Wilmington 99 Del
Stevens Co., A. T., 118 E. 28th St., New York 16, N. Y.
Superior—See Western Rawhide & Belting Co.
Turtle—See Flexible Steel Lacing Co
Western Rawhide & Belting Co., 131 E. Washington St., Milwaukee, Wis. "Superior."

FASTENERS, Hood

Attwood Brass Works Inc 303 Douglas St NW Grand Rapids Mich
Chicago Forging & Mfg Co 2000 Southport Ave Chicago 14 Ill
Eberhard Mfg. Co., Div. Eastern Malleable Iron Co., 2734 Tennyson Rd., Cleveland 4, Ohio.

FASTENERS, Molding and Trim

Airloc—See Monadnock Mills
Anchor—See National Autocraft Mfg Co
Carr Fastener Co 31 Ames St Cambridge Mass
Fastex Div of Illinois Tool Works 195 Algonquin Rd Des Plaines Ill (Molding)
Gagnier Fibre Products Co 10151 Capitol Ave Oak Park Detroit 37 Mich "Trimclip"
Monadnock Mills 1977 First Ave San Leandro Calif "Airloc"
National Autocraft Mfg Co 2710 N Orange Ave Orlando Fla "Anchor" (Body molding clip)
Production Die & Stamping Co 1034 Garfield Ave Detroit 7 Mich (Molding clips)
Robin Products Co 27027 Groesbeck Hwy Warren Mich
Servwell Products Co 6519 Euclid Ave Cleveland 3 Ohio
Shakeproof Div of Illinois Tool Works St Charles Rd Elgin Ill
United-Carr Fastener Corp 31 Ames St Cambridge 42 Mass (Molding)
Vanco Products Inc 15230 Brookpark Rd Cleveland 11 Ohio

FASTENERS, Sheet Metal

(For use with or without screws)

Airloc—See Monadnock Mills
Carr Fastener Co 31 Ames St Cambridge Mass "Dot"
Champ-Items Inc 6191 Maple Ave St Louis 14 Mo
Daisy—See Huck Mfg Co
Dot—See Carr Fastener Corp
Dot TCF—See United-Carr Fastener Co
Dual-Lock—See Simmons Fastener Corp
Dzus Fastener Corp Babylon L I N Y
Elastic Stop Nut Corp of America 2330 Vauxhall Rd Union N J "Varigrip"
General Tire & Rubber Co Industrial Products Div Vibrex Dept Wabash Ind "General Vibrex"
Hassall Inc John P O Box 2194 Westbury L I N Y
Hinge-Lock—See Simmons Fastener Corp
Huck Mfg Co 2480 Bellevue Ave Detroit 7 Mich "Daisy" "Huck"
Lamson & Sessions Co 5000 Tiedeman Rd Cleveland 9 Ohio
Link-Lock—See Simmons Fastener Corp
Monadnock Mills 1977 First Ave San Leandro Calif "Airloc"
P F L—See Waldes Kohinoor Inc
Palnut Co 54a Glen Rd Mountainside N J **"Pushnuts"**
Prestole Corp 1351 Miami St Toledo 5, Ohio
Pushnuts—See Palnut Co
Q A F—See Waldes Kohinoor Inc
Quick Lock—See Simmons Fastener Corp.
Rosan Inc 2901 W Coast Highway Newport Beach Calif "Rosan Press-Nut"
Roto-Lock—See Simmons Fastener Corp
Shakeproof Div of Illinois Tool Works St Charles Rd Elgin Ill
Simmons Fastener Corp 1749 N Broadway Albany N Y "Dual-Lock" "Link-Lock" "Quick Lock" "Roto Lock" "Spring Lock" "Hinge-Lock"
South Chester Corp Southco Div 228 Industrial Highway Lester Pa "Southco"
Southco—See South Chester Corp
Speed Nuts—See Tinnerman Products, Inc.
Spring Lock—See Simmons Fastener Corp
Standard Pressed Steel Co P O Box 395 Jenkintown Pa
Tinnerman Products Inc 8700 Brookpark Rd Cleveland Ohio "Speed Nuts"
United-Carr Fastener Corp Statler Office Bldg Boston 16 Mass "Dot TCF"
Varigrip—See Elastic Stop Nut Corp of America
Vol-Shan Mfg Co 8463 Higuera St Culver City Calif
Waldes Kohinoor Inc 47-16 Austel Place Long Island City 1 N Y " P F L" "Q A F"

FASTENERS, Slide

Adhezip—See Waldes Kohinoor Inc
Automotive Spring Inc., 2627 Magnolia Ave. Detroit 8, Mich.
Falcon—See Talon Inc
Hook-Zip—See Waldes Kohinoor Inc
Kover-Zip—See Waldes Kohinoor Inc
Nylon-Zip—See Waldes Kohinoor Inc
Plastic-Zip—See Talon Inc
Talon Inc 626 Arch St Meadville Pa "Talon" "Falcon" "Plastic-Zip" (Plastic)
Waldes Kohinoor Inc 47-16 Austel Pl Long Island City 1 N Y "Adhezip" "Hook-Zip" "Kover-Zip" "Nylon-Zip"

FASTENERS, Snap

(For fastening metal trim, upholstery, moldings, etc.)

Acme—See Scovill Mfg. Co.
Carr Fastener Co 31 Ames St Cambridge Mass
Cuyahoga Spring Co 10252 Berea Rd Cleveland 2 Ohio
Defiance Button Machine Co., 43-47 W. 24th St., New York, N. Y.
Gripper—See Scovill Mfg. Co.
Permex—See Scovill Mfg. Co.
Scovill Mfg. Co., 99 Mill St., Waterbury 20, Conn. "Acme," "Gripper," "Permex," "Trilok."
Trilok—See Scovill Mfg. Co.
United-Carr Fastener Corp Statler Office Bldg Boston 16 Mass

FASTENERS, STORAGE BATTERY — See Clamps, Battery Hold Down

FASTENERS, Upholstery and Seat Cover

Atlas Tack Corp 1079 Pleasant St Fairhaven Mass (Hog rings)
Auto Vehicle Parts Co 1032 Saratoga St Newport 6 Ky
Handy Button Machine Co 2255 S Rockwell St Chicago 8 Ill (Hog rings)
Niagara Fabric Mfg Co 161 Grand St N Y 13 N Y (Seat cover pins)
Republic Fastener Products Corp., 43-11 Crescent St., Long Island City 1, N. Y. "Squeeze Klip" (Hog rings; "Republic" hog rings and pins.)
WW—See Western Wire Products Co
Western Wire Products Co 1415 S 18th St St Louis Mo "WW" (Hog rings)

FAUCETS, Barrel or Drum

(For oil, gasoline and anti-freezing solution)

Agner Simplex Co 607 Pine St Burlington Wis "Simplex" (Oil barrel)
Burlington Brass Works Burlington Wis "Burwis" (Self-closing)
Burwis—See Burlington Brass Works
Imperial Brass Mfg Co 6300 W Howard St Chicago 31 Ill
Littlestown Hardware & Foundry Charles St Littlestown Pa (Drum)
Sherman Mfg. Co., H. B., 22 Barney St., Battle Creek, Mich. (Oil drum.)
Simplex—See Agner Simplex Co.

FAUCETS, Radiator Filling

Diamond-U Products, 8459 Dearborn Ave., South Gate, Calif.
Druge Bros Mfg Co 888 92nd Ave Oakland 3 Calif "Tru-Flate" (Sole distributors Tru-Flate Inc 888 92nd Ave Oakland 3 Calif)
Imperial Brass Mfg Co 6300 W Howard St Chicago 31 Ill
McDonald Mfg. Co., A. Y., 12th & Pine Sts., Dubuque, Iowa.
Morrison Bros. Co., 2401 Elm St., Dubuque, Iowa.
Romort Mfg. Co., Oakfield, Wis.
Schrader's Son Div. of Scovill Mfg. Co., A., 470 Vanderbilt Ave., Brooklyn 17, N. Y.
Sherman Mfg. Co., H. B., 22 Barney St., Battle Creek, Mich.
Tru-Flate—See Druge Bros. Mfg. Co.

FEEDERS, Machine Tool

Bellows Co 222 W Market St Akron 9 Ohio
Bolstermatic—See Ferguson Machine Corp of Indiana
Dexter Co Div of Miehle-Goss-Dexter Inc 2011 Hastings St Chicago 8 Ill (Automatic for sheet metal, wood, plastic, paper board, etc)
Die & Automation Inc 5353 Dixie Highway Hamilton Ohio
Edlund Machinery Co Div of Harsco Corp 37 Huntington St Cortland N Y (Drilling)
Federal Machine & Welder Co 1745 Overland Ave Warren Ohio **(For presses)**
Federal Press Co 511 E Division St Elkhart Ind (Automatic for punch presses)
Ferguson Machine Corp of Indiana 7818 Maplewood Industries Ct St Louis 17 Mo "Bolstermatic" (For presses)
Lipe-Rollway Corp 806 Emerson Ave Syracuse 1 N Y (For bar automatic machines)
Littell Machine Co F J 4125 Ravenswood Ave Chicago 13 Ill (For punch presses)
Ses-Matic—See Special Engrg Service Inc
Special Engrg Service Inc 760 Wyoming Ave Dearborn Mich "Ses-Matic" (For punch presses)
U S Tool Co 255 N 18th Ampere (East Orange) N J

FELT, INSULATING—See Insulation, Felt, Hair, Paper, etc.

FELT, Polishing and Rubbing

Afco—See American Felt Co
American Felt Co., Glenville, Conn. "AAAA."
Bacon Felt Co 427 W Water St Taunton Mass "Paramount"
Booth Felt Co 1726 Tenth Ave Brooklyn 15 N Y
Brawley Felt Co., T. R., 272 20th St., Brooklyn, N. Y.
Commonwealth Felt Co., 74 Summer St., Boston 9, Mass. "Perfection."
Continental Felt Co 22 W 15th St N Y 11 N Y "Vel-Fel"
Fel-Pro—See Felt Products Mfg. Co
Felt Products Mfg Co 7450 N McCormick Blvd Skokie Ill "Fel-Pro"
Paramount—See Bacon Felt Co.
Perfection—See Commonwealth Felt Co.
Rhodes & Co., James H., 153 W. Hubbard St., Chicago 10, Ill.
Rhodes & Co James H 1026 W Jackson Blvd Chicago Ill
Rhopac Inc 3425 Cleveland St Skokie Ill
Standard Felt Co 29-115 S Palm Ave Alhambra Cal
Vel-Fel—See Continental Felt Co
Western Felt Works 4021 W Ogden Ave Chicago 23 Ill

FELT, Sheet

(For felt washers or gaskets—see Washers, Felt)

Afco—See American Felt Co
American Felt Co Glenville Conn "Afco"
Auburn Mfg Co Pease Ave & Stack St Middletown Conn
Bacon Felt Co 427 W Water St Taunton Mass "Paramount"
Booth Felt Co 1726 Tenth Ave Brooklyn 15 N Y

Colossus—See Rhodes & Co.
Commonwealth Felt Co., 74 Summer St., Boston 9, Mass. "Perfection."
Continental Felt Co 22 W 15th St N Y 11 N Y "Vel-Fel"
Felt Products Mfg Co 7450 N McCormick Blvd Skokie Ill
Paramount—See Bacon Felt Co.
Perfection—See Commonwealth Felt Co.
Rhodes & Co James H 1026 W Jackson Blvd Chicago Ill "Colossus"
Rhopac Inc 3425 Cleveland St Skokie Ill
Standard Felt Co 29-115 S Palm Ave Alhambra Calif
Sutherland Leather & Felt Co., 743 Beaubien St., Detroit 26, Mich.
Vel-Fel—See Continental Felt Co
Western Felt Works 4021 W Ogden Ave Chicago 23 Ill

FELT, Upholstery

(For use in place of hair or moss; see also Hair, Upholstery; also Moss, Upholstery)

Afco—See American Felt Co
American Felt Co Glenville Conn "Afco"
American Forest Products Co Box 911 Norristown Pa
American Hair & Felt Co 322 Merchandise Mart, Chicago 54, Ill.
Booth Felt Co 1726 Tenth Ave Brooklyn 15 N Y
Burkart Mfg Co F Div of Textron Inc 4900 N Second St St Louis 7 Mo
Commonwealth Felt Co., 74 Summer St., Boston 9, Mass. "Perfection."
Continental Felt Co 22 W 15th St N Y 11 N Y "Vel-Fel"
Felt Products Mfg Co 7450 N McCormick Blvd Skokie Ill
Perfection—See Commonwealth Felt Co.
Vel-Fel—See Continental Felt Co
Western Felt Works 4021 W Ogden Ave Chicago 23 Ill

FENDER BRACKETS—See Brackets, Fender (Truck)
FENDER GRILLE GUARDS—See Guards, Radiator Grille, Fender and Trunk
FENDER HOUSINGS—See Housings, Wheel and Fender
FENDER ROLLING MACHINES—See Machines, Forming (Cold Roll)
FENDER WELTS—See Welts, Fender

FENDERS, Auto, Truck and Trailer

Ansted Corp 1428 W Henry St Indianapolis 7 Ind
Bath Co Cyril 32400 Aurora Rd Solon Ohio
Binkley Mfg Co Warrenton Mo (Truck)
Budd Mfg. Co., Edw. G., Hunting Park Ave. & 25th St., Philadelphia, Pa.
Champion Sheet Metal Co 2 Squires St Cortland N Y (Trucks to order)
Chicago Mfg Co 411 N Trumbull Ave Chicago Ill
Cutler Metal Products Co., 1025 Line St., Camden, N. J.
Hart Metal Products Corp 3333 Hammond Ave Elkhart Ind
Rex Metal Parts Co., 1295 W. 78th St., Cleveland 2, Ohio. (Bus, truck and fire engines.)
Saginaw Sheet Metal Parts Corp., 2064 E. Genesee Ave., Saginaw, Mich. (Truck and utility trailer.)
Stolper Steel Products Corp 300 Pilgrim Rd Menomonee Falls Wis
York Corrugating Co Adams St & W Md R R York Pa (Truck and trailer)
Youngstown Kitchens Div of American-Standard 605 S Ellsworth St Salem Ohio (Truck)

FIBRE, FABRIC (FOR SEAT COVERS)—See Fabric, Fibre (Seat Cover)

FIBRE, Hard

(Sheet rod and tube)

Acme Mfg. & Gasket Co., 738 N. 41st St. Philadelphia 4, Pa.
Armstrong Cork Co Industrial Div 7011 Imperial Ave Lancaster Pa (Gasket material)
Auburn Mfg. Co., Pease Ave. & Stack St., Middletown, Conn.
Brandywine Fibre Products Co 15th & Poplar Sts Wilmington Del
Continental-Diamond Fibre Corp Newark 2 Del "Diamond"
Densite—See West Virginia Pulp & Paper Co.
Diamond—See Continental - Diamond Fibre Corp
Electrite—See West Virginia Pulp & Paper Co
Franklin Fibre-Lamitex Corp 18th St E of Market St Wilmington Del
Keystone Gasket Mfg. Co., 833 N. Fourth St., Philadelphia 23, Pa.
Milonite—See Morley Co.
Morley Co., 865 Islington St., Portsmouth N. H. "Milonite."
National Vulcanized Fibre Co., Maryland Ave. & Beech St., Wilmington 99, Del. (Vulcanized.)
Presstite—See West Virginia Pulp & Paper Co
Spaulding Fibre Co., 310 Wheeler St., Tonawanda, N. Y.
Taylor Fibre Co Norristown 49 Pa (Vulcanized)
United Packing & Gasket Engrg Corp 5111 Ogden Ave Cicero 50 Ill
West Virginia Pulp & Paper Co Board Products Sales 230 Park Ave New York 17 N Y "Electrite" "Densite" "Presstite"
Wilmington Fibre Specialty Co New Castle Del
Wisconsin Gasket & Mfg. Co., 8724 N. Granville Rd., Granville, Wis.
Wrought Washer Mfg Co 2107 S Bay St Milwaukee 7 Wis (Washers)

FIBRE, Laminated

Continental-Diamond Fibre Corp Newark 2 Del "Diamond" "Vulcoid"
Diamond—See Continental - Diamond Fibre Corp
Fybr-Tech—See Technical Ply-Wood Sales
Penn Fibre & Specialty Co 2024 E Westmoreland St Philadelphia 34 Pa
Technical Ply-Wood Sales 6756 Crandon Ave Chicago 49 Ill "Fybr-Tech" (With wood)
Vulcoid—See Continental-Diamond Fibre Corp
Wilmington Fibre Specialty Co New Castle Del

FIBRE PARTS—See Parts, Fibre

FIFTH WHEELS—See Wheels, Fifth

FILE CLEANING BRUSHES—See Brushes, File Cleaning

FILES and RASPS

American—See Nicholson File Co; also Simonds Saw & Steel Co
American Swiss—See Heller Tool Co; also Simonds Saw & Steel Co
Arcade—See Nicholson File Co.
Atkins Saw Div Borg-Warner Corp 402 S Illinois St Indianapolis 9 Ind "Silver Steel"
Black Diamond—See Nicholson File Co.
Blue Point—See Snap-On Tools Corp
Blue Streak—See Nolvex File Co
Disston Div H K Porter Co Unruh & Milnor Sts Tacony Philadelphia 35 Pa
Dixon, Inc., William, 32 E. Kinney St., Newark, N. J.
Do All Co., 254 N. Laurel Ave., Des Plaines, Ill. (Band files.)
Heller Tool Co Heller Dr Newcomerstown Ohio "Nucut" (American pattern, "American Swiss" Swiss pattern files "Vixen" milled curved tooth files)
Kearney & Foot—See Nicholson File Co
Nicholson File Co Providence 1 R I "Arcade" "Black Diamond" "Kearney & Foot" "Nicholson" "X-F"
Nolvex File Co 10329 Detroit Ave Cleveland 2 Ohio "Blue Streak" (American pattern; "Nolvex" Milled curved tooth)
Nucut—See Heller Tool Co
Severance Tool Industries Inc 711 Iowa Rd Saginaw Mich (Rotary and carbide hand)
Silver Steel—See Atkins Saw Div Borg-Warner Corp
Simonds Saw & Steel Co 470 Main St Fitchburg Mass "American" (American pattern "American-Swiss" Swiss pattern files "Vixen" milled curved-tooth files)
Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis. "Blue Point."
Vixen—See Simonds Saw & Steel Co; also Heller Tool Co
Wyco—See Wyzenbeek & Staff, Inc.
Wyzenbeek & Staff Inc 223 N California Ave Chicago 12 Ill "Wyco" (Tire rasps)
X-F—See Nicholson File Co.

FILLERS, Plastic and Metallic (For Body Panels, Fenders, Etc.)

(See also Solder)

Atomized Materials Co 207 Rauch Bldg Pittsburgh 5 Pa "Speed Bond"
Bakelite—See Union Carbide Plastics Co
Blue Ribbon Nu-Met-L—See International Metal Polish Co
Bodi-Mud—See Fibre Glass-Evercoat Co
Bondo Div Jaycee Chemical Corp Forest Rd Northford Conn (Plastic fiberglass)
Bond-Tite—See L R Oatey Co

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FILLERS, Plastic and Metallic (For Body Panels, Fenders, etc.)—continued

Boyle-Midway Inc 22 E 40th St N Y 16 N Y "Plasteele" (Plastic)
Duro—See Woodhill Chemical Sales Corp
Econite Miracle Products Inc 207 W Main St Morganfield Ky (Plastic)
Everfix—See Fibre Glass-Evercoat Co
Fibre Glass-Evercoat Co Blue Ash Rd Cincinnati 36 Ohio "Bodi-Mud" "Everfix" "Formula 27"
Flex-Able—See L R Oatey Co
Flex-Rez—See Marson Corp
Formula 27—See Fibre Glass-Evercoat Co
Fuse-Tite—See Martin-Senour Co
Hollingshead Corp R M 840 Cooper St Camden N J "Met-L-It" (Plastic)
International Metal Polish Co 1910 Quill S Indianapolis 7 Ind "Blue Ribbon Nu-Met L" (Metallic)
McKay Co 1005 Liberty Ave Pittsburgh 22 Pa "Metal-Fil" (Plastic)
Marson Corp 115 Mill St Revere 51 Mass "Flex-Rez" "Rez-Zin" (Polyester)
Martin-Senour Co 2500 Senour Ave Chicago Ill "Fuse-Tite"
Metal-Fil—See McKay Co
Metal-Fix—See Sheffield Bronze Paint Corp
Met-L-Fil—See W J Ruscoe Co
Met-L-It—See R. M. Hollingshead Corp.
Minnesota Mining & Mfg Co 900 Bush Ave St Paul 6 Minn "3M" (Epoxy resin)
Oatey Co L R 10230 Berea Rd Cleveland 2 Ohio "Bond-Tite" "Flex-Able"
Plasteele—See Boyle-Midway Inc
Ren Plastics Inc 5422 S Cedar Rd Lansing 4 Mich
Rez-Zin—See Marson Corp
Ruscoe Co W J 483 Kenmore Blvd Akron 1 Ohio "Met-L-Fil"
Sheffield Bronze Paint Corp 17814 Waterloo Rd Cleveland 19 Ohio "Metal-Fix"
Speed Bond—See Atomized Materials Co
Swiss Laboratory 1533 Hamilton Ave Cleveland 14 Ohio
3M—See Minnesota Mining & Mfg Co
Union Carbide Plastics Co Div of Union Carbide Corp 30 E 42nd St N Y 17 N Y "Bakelite"
Woodhill Chemical Sales Corp 1390 E 34th St Cleveland 14 Ohio "Duro" (Plastic aluminum; also plastic solder)

FILLERS, RADIATOR—See Faucets, Radiator Filling

FILTER BOWLS—See Bowls, Filter

FILTER PARTS (Auto)—See Parts, Filter (Auto)

FILTERS Air (Auto)—See Cleaners Air Carburetors (Auto)

FILTERS, Air (Machinery)

(For installation on stationary engines, air compressors, etc.)

(See also Cleaners, Air (Machinery))

Adams Co R P 264 E Park Drive Buffalo 17 N Y
Air-Maze Corp 25000 Miles Rd Cleveland 28 Ohio
Aqua-Jet—See Wilkerson Corp
Arid-Air—See Wilkerson Corp
Bantam Bully—See Superior Pneumatic & Mfg Inc
Bendix-Skinner Div Bendix Aviation Corp 434 W 12 Mile Rd Royal Oak Mich
Big Four Industries Inc Maineville (Foster) Ohio "Big-Four Dri-Clean"
Cleco Div of Reed Roller Bit Co 5125 Clinton Dr Houston 1 Texas
Commercial Filters Corp 2 Main St Melrose 76 Mass "Fulflo"
Crown—See Hannifin Co
Cuno Energy Corp 80 S Vine St Meriden Conn
Dollinger Corp., 20 Centre Park, Rochester 3, N. Y. "Staynew."
Flo-Kleen—See Wilkerson Corp
Fulflo—See Commercial Filters Corp.
Gardner-Denver Co S Front St Quincy Ill
Gray Co 60 11th Ave N E Minneapolis 13 Minn
Hanna Engrg Works 1765 Elston Ave Chicago 22 Ill
Hannifin Co 543 S Wolf Rd Des Plaines Ill "Crown"
Kleen-Air—See Wilkerson Corp
Modernair Corp 400 Freas St San Leandro Calif
Norgren Co C A 3400 S Elati St Englewood Calif (Cylinders and power tools)
S-P Mfg Corp 30201 Aurora Rd Solon Ohio
Staynew—See Dollinger Corp.
Superior Pneumatic & Mfg Inc 4758 Warner Rd Cleveland 25 Ohio "Bantam Bully"
Waterman Engrg Co 725 Custer St Evanston Ill
Wilkerson Corp 1601 W Girard Ave Englewood Colo "Aqua-Jet" "Wilk-O-Matic" "Flo-Kleen" "Kleen-Air" "Arid-Air"
Wilk-O-Matic—See Wilkerson Corp

FILTERS, Cutting Oil

(For cutting oil reclaimers—See Reclaimers, Cutting Oil)

Barnes Drill Co 826 Chestnut St Rockford Ill "Kleenall"
Briggs Filtration Co Automotive Div River Rd Washington 16 D C
CFC—See Indiana Commercial Filters Corp
Commercial Filters Corp 2 Main St Melrose 76 Mass "Fulflo"
Cuno Engrg Corp 80 S Vine St Meriden Conn
DeLaval Separator Co Poughkeepsie N Y
Delpark—See Indiana Commercial Filters Corp Delpark Div
Fulflo—See Commercial Filters Corp.
Hoffman—See United States Hoffman Mchy Corp
Honan-Crane—See Indiana Commercial Filters Corp
Indiana Commercial Filters Corp 415 Indianapolis Ave Lebanon Ind "Honan-Crane" "CFC"
Indiana Commercial Filters Corp Delpark Div Lebanon Ind "Delpark"
Kleenall—See Barnes Drill Co
Murray-Way Corp (P O Box 180) Maple Rd E Birmingham Mich
Skinner Purifiers Div. of Bendix Aviation Corp., 1500 Trombly Ave., Detroit 11, Mich.
United States Hoffman Machinery Corp Industrial Filtration Div 103 Fourth Ave N Y 3 N Y "Hoffman"
W. G. B. Oil Clarifier, Inc., 139 Cornell St., Kingston, N. Y.

FILTERS, Engine Coolant

American Octanator Corp 549 Reservoir St Cranston R I "Gazda Derusticator" (Magnetic)
Fram Corp Pawtucket Ave Providence 16 R I
Gazda Derusticator—See American Octanator Corp
Perry Filter Div R M Hollingshead Corp 840 Cooper St Camden 2 N J

FILTERS, Fuel (For Diesel Engines)

AC Spark Plug The Electronics Div of General Motors 1300 N Dort Highway Flint 2 Mich
Air-Maze Corp 25000 Miles Rd Cleveland 28 Ohio
American Bosch Div American Bosch Arma Corp 3664 Main St., Springfield 7 Mass
Bendix-Skinner Div Bendix Aviation Corp 434 W 12 Mile Rd Royal Oak Mich
Briggs Filtration Co Automotive Div River Rd Washington 16 D C
Commercial Filters Corp 2 Main St Melrose 76 Mass "Fulflo"
Cuno Engrg Corp 80 S Vine St Meriden Conn
DeLuxe Products Corp 1201 Michigan Blvd Racine Wis
Filterall—See Permanent Filter Corp
Fram Corp Pawtucket Ave Providence 16 R I
Fulflo—See Commercial Filters Corp
Hartford Machine Screw Co P O Box 1440 Hartford 2 Conn "Roosa-Master"
Hilco—See Hilliard Corp.
Hilliard Corp., 113 W. Fourth St., Elmira, N. Y. "Hilco."
Indiana Commercial Filters Corp 415 Indianapolis Ave Lebanon Ind "Michiana"
Luber-Finer Inc., 2514 S. Grand Ave., Los Angeles 7, Calif.
Michiana—See Indiana Commercial Filters Corp
Permanent Filter Corp 1800 W Washington Blvd Los Angeles 7 Calif "Filterall"
Purolator Products Inc 970 New Brunswick Ave Rahway N J
Roosa-Master—See Hartford Machine Screw Co
W. G. B. Oil Clarifier, Inc., 139 Cornell St. Kingston, N. Y.
Winslow Engrg & Mfg Co 4069 Hollis St Oakland 8 Calif

FILTERS, Gasoline (Auto)

(Filter assemblies for use between tank and carburetor to remove dirt and water; for gasoline strainers only—See Strainers, Gasoline)

AC Spark Plug The Electronics Div of General Motors 1300 N Dort Highway Flint 2 Mich
Alco—See Alloy Mfg Corp
Algas—See American Liquid Gas Corp
Alloy Mfg Co 3207 S Shields Ave Chicago 16, Ill. "Alco," "Alloy," "Quality Built."
American Liquid Gas Corp 1109 Santa Fe Ave Los Angeles 21 Calif "Algas" (LP-Gas)
Autopulse—See Electric Autopulse Div
Bendix-Skinner Div Bendix Aviation Corp 434 W 12 Mile Rd Royal Oak Mich
Carter Carburetor Div of ACF Industries Inc 2840 N Spring Ave St Louis 7 Mo
Century Gas Equipment Marvel-Schebler Products Div Borg-Warner Corp 625 Southside Drive Decatur Ill (Also LP-Gas)
Champ-Items Inc 6191 Maple Ave St Louis 14 Mo
Chilton Metal Products Inc 300 Breed St Chilton Wis
Cuno Engrg Corp 80 S Vine St Meriden Conn
DeLuxe Products Corp 1201 Michigan Blvd Racine Wis
Durex—See Moraine Products Div., General Motors Corp.
Electric Autopulse Div Walbro Corp 6242 Garfield St Cass City Mich "Autopulse"
Engine Accessories Mfg Co 5801 E Beverly Blvd Los Angeles 22 Calif "Perma-Bronze"
Ensign Carburetor Co 1551 E Orangethorpe Ave Fullerton Calif (LP-gas)
Fil-Trap—See Tillotson Mfg. Co.
Filterall—See Permanent Filter Corp
Fram Corp Pawtucket Ave Providence 16 R I
Hygrade Products Div Standard Motor Products Inc 37-18 Northern Blvd L I City 1 N Y
Imperial Brass Mfg Co 6300 W Howard St Chicago 31 Ill
J & S Carburetor Co 2634 N Beckley Ave Dallas 2 Tex (LP-gas)
Kem Mfg Co 20-21 Wagaraw Rd Fair Lawn N J
Klemm Automotive Products Co., 1718 N. Damen Ave., Chicago 47, Ill
Mileage Minder—See Paser Mfg Co
Moraine Products Div., General Motors Corp., 1420 Wisconsin Blvd., Dayton, Ohio "Durex."
Paser Mfg Co 537 Turk St San Francisco 2 Calif "Mileage Minder"
Perma-Bronze—See Engine Accessories Mfg Co
Permanent Filter Corp 1800 W Washington Blvd Los Angeles 7 Calif "Filterall"
Purolator Products Inc 970 New Brunswick Ave Rahway N J
Quality Built—See Alloy Mfg. Co.
Sparkler Mfg Co Lake St Mundelein Ill
Tillotson Mfg Co 761 Berdan St Toledo 12 Ohio "Fil-Trap"
Zenith Carburetor Div. of Bendix Aviation Corp., 696 Hart Ave., Detroit 14, Mich.

FILTERS, Hydraulic Fluid

Barnes Corp John S 301 S Water St Rockford Ill
Char-Lynn Co 2843 26th Ave S Minneapolis 6 Minn
Rosaen Co 1776 E Nine Mile Rd Hazel Park Mich "Tell-Tale"
Schroeder Bros Corp Nichol Ave McKees Rocks Pa

FILTERS, Oil (For Attaching to Engines)

(See also Strainers, Oil)

AC Spark Plug The Electronics Div of General Motors 1300 N Dort Highway Flint 2 Mich
Ace—See Champion Laboratories Inc
Baldwin Mfg Co J A P O Box 656 Kearney Nebr
Bendix-Skinner Div Bendix Aviation Corp 434 W 12 Mile Rd Royal Oak Mich
Bolser Corp **S Main St Cedar Falls Iowa "Re-Pak-It"**
Briggs Filtration Co Automotive Div River Rd Washington 16 D C
Cel-Pak—See Fram Corp
Champ Kleen Pak—See Champion Laboratories Inc
Champion Laboratories Inc Box 189 West Salem Ill "Ace" "Champ Kleen Pak"
Commercial Filters Corp 2 Main St Melrose 76 Mass "Fulflo"
Continental Mfg Corp 10411 W Washington Blvd Culver City Calif "Life-Time"
Cuno Engrg Corp 80 S Vine St Meriden Conn
Danco—See Danielson Mfg Co
Danielson Mfg Co Danielson Conn "Danco"
DeLuxe Products Corp 1201 Michigan Ave Racine Wis
Duocron—See Walker Mfg Co of Wis
Engine Accessories Mfg Co 5801 E Beverly Blvd Los Angeles 22 Calif "Improved-Lifetime"
Filterall—See Permanent Filter Corp
Fram Corp Pawtucket Ave Providence 16 R I "Cel-Pak" "Fram Filcron"
Fulflo—See Commercial Filters Corp
Hastings Mfg Co N Hanover St Hastings Mich
Hilco—See Hilliard Corp
Hilliard Corp 113 W Fourth St Elmira N Y "Hilco"

Hutchens Industries Inc 1206 Western Ave Eau Claire Wis
Improved-Lifetime—See Engine Accessories Mfg Co
Indiana Commercial Filters Corp 415 Indianapolis Ave Lebanon Ind "Michiana"
Lee Filter Corp 41 River Rd North Arlington N J
Life-Time—See Continental Mfg Corp
Luber-Finer Inc., 2514 S. Grand Ave., Los Angeles 7, Calif
Michiana—See Indiana Commercial Filters Corp
Nugent & Co Wm W 3440 Cleveland St Skokie Ill
Oilpure Refiner Co., 5406 San Fernando Rd., Glendale, Calif.
Permanent Filter Corp 1800 W Washington Blvd Los Angeles 7 Calif "Filterall"
Purolator Products Inc 970 New Brunswick Ave Rahway N J
Re-Pak-It—See Bolser Corp.
W. G. B. Oil Clarifier, Inc., 139 Cornell St., Kingston, N. Y.
Walker Mfg Co of Wis 1201 Michigan Blvd Racine Wis "Duocron"
Winslow Engrg & Mfg Co 4069 Hollis St Oakland 8 Calif
Wix Corp 1211 Ozark St Gastonia N C "Wix-O-Matic"

FILTERS, Oil (Transmission)

Fuller Mfg Co Transmission Div Prouty St Kalamazoo Mich

FILTERS, RADIO IGNITION—See Radio Accessories (Auto)

FINISHING SYSTEMS, Complete

(For cleaning, rust proofing, drying, painting and baking)

De Villbiss Metal Fabricators Co 17900 Ryan Rd Detroit 12 Mich
du Pont de Nemours & Co E I Electrochemicals Dept Wilmington 98 Del
Mahon Co R C 6565 E 8 Mile Rd Detroit 34 Mich

FIRE APPARATUS, MOTORIZED — See Trucks, Fire

FIRE EXTINGUISHERS—See Extinguishers, Fire (Hand)

FIRE HOSE—See Hose, Fire

FIRE TRUCKS, INDUSTRIAL—See Trucks, Fire (Industrial)

FITTINGS, AUTOMOBILE and TRUCK BODY — See Hardware, Automobile and Truck Body

FITTINGS, Bus

(Including all hardware and irons used in bus body construction; such as enameled pipes, stanchions, seat irons, etc.)

Attwood Brass Works Inc 303 Douglas St NW Grand Rapids Mich
Bath Co Cyril 32400 Aurora Rd Solon Ohio
Moore & Co., Samuel, Mantua, Ohio. "Rub-Rub." (Stanchions and grab rails.)
Rub-Bub—See Samuel Moore & Co
Tompkins H S 188 Chambers St New York 7 N Y
Troy Sunshade Co Troy Ohio (Stanchions and grab rails)

FITTINGS HEATER—See Parts and Fittings Heater

FITTINGS, Lubricating

(For guns for use with fittings, see Lubricators, Hand)

Alemite—See Stewart-Warner Corp.
Aro Equipment Co., Bryan, Ohio.
Balcrank, Inc., Disney St. nr. Marburg, Cincinnati, Ohio.
Bowen Products Corp Auburn N Y
Bullneck—See Lincoln Engrg Co
Coronet Parts Mfg Co 883 Elton St Brooklyn 8 N Y
Gits Bros Mfg Co 1846 S Kilbourn Ave Chicago 23 Ill
Graco—See Gray Co.
Gray Co 60 11th Ave N E Minneapolis 13 Minn. "Graco."
Kleenseal—See Lincoln Engrg Co
Lightnin—See R J Loock & Co
Lincoln Engineering Co 4010 Goodfellow Blvd St Louis 20 Mo "Bullneck" & Kleenseal"
Loock & Co R J 343 N Gay St Baltimore Md "Lightnin"
Perfect Parts Inc 43 W 23rd St N Y 10 N Y
Planet Metal Products Corp 964 Dean St Brooklyn 16 N Y
Stewart-Warner Corp., Alemite Div., 1826 Diversey Parkway, Chicago 14, Ill. "Alemite."
Universal Lubricating Systems, Inc., 747 Allegheny Ave., Oakmont, Pa.

FITTINGS, Tank

Attwood Brass Works Inc 303 Douglas St N W Grand Rapids Mich

FITTINGS, Tube (Aluminum)

(Unions, tees, ells, etc., for connecting small size aluminum tubing)

Chicago Forging & Mfg. Co., 2000 Southport Ave., Chicago 14 Ill. "Sealastic."
Hi-Duty—See Imperial Brass Mfg Co
Imperial Brass Mfg Co 6300 W Howard St Chicago 31 Ill "Hi-Duty" & "Imperial"
Masters Inc Irvin W 1060 N Lake St Burbank Calif
Parker-Hannifin Corp Parker Fittings & Hose Div 17325 Euclid Ave Cleveland 12 Ohio "Triple-Lok" (Flare)
Sealastic—See Chicago Forging & Mfg Co
Triple-Lok—See Parker-Hannifin Corp

FITTINGS, Tube (Copper or Brass)

(Unions, tees, ells, etc., for connecting small size brass and copper tubing)

Acme Air Appliance Co 205 Newman St Hackensack N J
Alemite—See Stewart-Warner Corp Alemite Div
Allen Mfg. Co., W. D., 566 W. Lake St., Chicago, Ill
Anchor Coupling Co 342 N 4th St Libertyville Ill
Anderson Brass Co 100 S Campbell Ave Detroit 9 Mich "Kantleak"
Chase Brass & Copper Co., 236 Grand St., Waterbury 20, Conn.
Chicago Forging & Mfg. Co., 2000 Southport Ave., Chicago 14, Ill. "Sealastic."
Circle Z RFD No 2 Promfret Center Conn
Commonwealth Brass Corp 5835 Commonwealth Ave Detroit 8 Mich
Consolidated Brass Co 2019 N Tryon Ave Charlotte 6 N Y
Coronet Parts Mfg Co 883 Elton St Brooklyn 8 N Y
Dole Valve Co 6201 Oakton St Morton Grove Ill
Edelmann & Co E 2332 Logan Blvd Chicago 47 Ill
Everhot Products Co 2001 W Carroll Ave Chicago 12 Ill "Everhot" (Brass; "Everseal" self-flaring)
Everseal—See Everhot Products Co.
Exello Accessories Mfrs., Inc., 81 Madison Ave., Hempstead, N. Y. (Brass.)
Ferulok—See Parker Fittings & Hose Div
Imperial Brass Mfg Co 6300 W Howard St Chicago 31 Ill
International Parts Corp 4101 W 42nd Pl Chicago 32 Ill
Intru-lok—See Parker Fittings & Hose Div
Kantleak—See Anderson Brass Co
Leader Screw & Mfg Co 3805 E 91st St Cleveland 5 Ohio (Brass)
Lightnin—See R J Loock & Co
Lincoln Brass Works, 2067 12th St., Detroit 16 Mich
Loock & Co R J 343 N Gay St Baltimore Md "Lightnin"
Lukenheimer Co., Beckman St. & Waverly Ave Cincinnati 14 Ohio
Masters Inc Irvin W 1060 N Lake St Burbank Calif (Brass)
Mueller Brass Co., 1925 Lapeer Ave., Port Huron, Mich.
National Ignition Mfg. Co., 521 W. 23rd St., New York 11, N. Y. "Nimco."
Nimco—See National Ignition Mfg. Co
Parker Fittings & Hose Div Parker-Hannifin Corp 17325 Euclid Ave Cleveland 12 Ohio "Triple-lok" (Brass flare and stainless flare; "Intru-lok" brass flareless, "Ferulok" flareless)
Planet Metal Products Corp 964 Dean St Brooklyn 38 N Y (Brass)
Preferred Electric & Wire Co., Bush Terminal Bldg. No. 8, Brooklyn 32, N. Y.
Sealastic—See Chicago Forging & Mfg. Co
Stewart-Warner Corp Alemite Div 1826 Diversey Parkway Chicago 14 Ill "Alemite"
Triple-lok—See Parker Fittings & Hose Div
Velvac, Inc., 3530 W. Pierce St., Milwaukee 15 Wis
Weatherhead Co Ft Wayne Div 128 W Washington Blvd Ft Wayne Ind (Brass)
Z & W Machine Mfg Corp 30240 Lakeland Blvd Wickliffe Ohio

FITTINGS, Tube (Steel)

Babcock & Wilcox Co Tubular Products Div Beaver Falls Pa
Ermeto—See Imperial Brass Mfg Co
Ferulok—See Parker Fittings & Hose Div
Hi-Seal—See Imperial Brass Mfg Co
Imperial Brass Mfg Co 6300 W Howard St Chicago 31 Ill "Ermeto" "Hi-Seal" "Imperial"
Parker Fittings & Hose Div Parker-Hannifin Corp 17325 Euclid Ave Cleveland 12 Ohio "Ferulok" (Flareless; "Triple-lok" Stainless flare)
Triple-lok—See Parker Fittings & Hose Div
Tru-Seal Div Flick-Reed Corp 7 No 15 York Rd Bensenville Ill
Weatherhead Co Ft Wayne Div 128 W Washington Blvd Ft Wayne Ind (Hydraulic)

FLAME CUTTING MACHINES — See Machines, Flame Cutting

FLAME DETECTORS—See Detectors, Flame

FLAME SAFEGUARDS, INDUSTRIAL BURNER—See Safeguards, Flame (Industrial Burner)

FLANGES, Hub (Pressed Steel)

(For forged or cast flanges—see Forgings)

Crosby Co 183 Pratt St Buffalo 5 N Y
Hamlin Metal Products Co 2741 Wingate Ave Akron 19 Ohio
Konigslow Mfg Co Otto 3600 Perkins Ave Cleveland 14 Ohio

FLAPS, FENDER—See Guards, Fender Splash

FLARES, Highway Lighting

King Bee Mfg Co 2600 Washington Blvd Bellwood Ill (Oil burning)
Signal Flare Div Standard Railway Fusee Corp Box 30-C Needham Heights 94 Mass "Standard" (Fusees)
Standard—See Signal Flare Div

FLARING TOOLS, TUBE—See Tools, Tube Flaring

FLASH TRIMMING MACHINES — See Machines, Flash Trimming

FLASHERS, Directional Signal (Auto)

Advanced Mfg Inc 738 W 17th St Costa Mesa Calif
Alco—See Auto Lamp Mfg Co
Arrow Safety Device Co Mt Holly N J
Auto Lamp Mfg Co 2909 S Indiana Ave Chicago 9 Ill "Alco"
Dietz Co R E 225 Wilkinson St Syracuse 1 N Y (Truck and fire equipment)
Flarestat—See Signal-Stat Corp
Kay-Lab—See Macchi & Co
Macchi & Co 819 Valencia St San Francisco 10 Calif "Kay-Lab"
Mirrorscope—See Yankee Metal Products Corp
Signal-Stat Corp Signal-Stat Bldg 523 Kent Ave Brooklyn 11 N Y "Signal-Stat;" "Flarestat" (Emergency for disability parking)
Sparton Automotive Div of Sparton Corp Jackson Mich
Tung-Sol Electric Inc 95 8th Ave Newark 4 N J
Yankee Metal Products Corp 25 Grand St Norwalk Conn "Mirrorscope"

FLASHERS, School Bus

Cole-Hersee Co 20 Old Colony Ave Boston 27 Mass
Kay-Lab—See Macchi & Co
Macchi & Co 819 Valencia St San Francisco 10 Calif "Kay-Lab"
Ring-Wald Products Inc 123 N Lowry Ave Springfield Ohio

FLEXIBLE SHAFTING—See Shafting, Flexible

FLEXIBLE SHAFT MACHINES — See Machines, Flexible Shaft (Portable Electric)

FLINT PAPER—See Paper, Abrasive

FLOATS, Cellular Rubber

Rogers Corp Rogers Conn

FLOATS, Cork

Armstrong Cork Co Industrial Div 7011 Imperial Ave Lancaster Pa (Carburetor and gage)
Chicago Cork Works Co 6001 Gross Point Rd Niles Ill (Carburetor)
Mundet Cork Corp., 7101 Tonnelle Ave., North Bergen, N. J.

FLOATS, Metal

Ayling & Reichert Co 3041 N Erie St Toledo Ohio (Copper and brass for carburetors, etc)
Superior Seal & Stamp Co., 1401 Vermont Ave., Detroit 16, Mich. (Carburetor.)

FLOATS, Oil Pump

(To draw clean oil from top of crankcase)
Taylor Products Div Tecumseh Products Co 1100 W Beardsley Ave Elkhart Ind "Float-O"

FLOATS, Rubber

Parker Seal Co 10567 Jefferson Blvd Culver City Calif

FLOCK, Decorative (Auto)

Cellusede Products Inc 501 N Madison St Rockford Ill

FLOOR COVERINGS, BUS AND TRUCK—See Coverings, Floor (Bus or Truck)

FLOOR PADS, FELT—See Pads, Floor (Felt, Jute, etc.)

FLOOR PLATES (Steel)—See Plates, Floor (Bus or Truck)

FLOORING, Truck & Trailer

Aluminum Co of America 1501 Alcoa Bldg Pittsburgh 19 Pa (Aluminum)
Armstrong Cork Co Industrial Div Lancaster Pa (Vinyl plastic for station wagons)
Bridgeport Brass Co 30 Grand St Bridgeport 2 Conn (Aluminum for trailers)
Fruehauf Trailer Co 10940 Harper Ave Detroit 32 Mich (Aluminum for refrigerated trailers)
Revere Copper and Brass Inc 230 Park Ave N Y 17 N Y (Aluminum)
Reynolds Metals Co 6601 Broad St Richmond 19 Va (Aluminum)

FLOW CONTROL VALVES (Temperature and Pressure)—See Valves Flow Control (Temperature and Pressure)

FLOW TEST STANDS—See Stands, Engine Fuel Flow Test (Automotive)

FLOWMETERS

Air Reduction Sales Co Socony-Mobil Bldg 150 E 42nd St N Y 17 N Y
Cox Instruments Div George L Nankervis Co 15300 Fullerton St Detroit 27 Mich
Potter Aeronautical Corp Route 22 Union N J
Schroeder Bros Corp Nichol Ave McKees Rocks Pa (Portable hydraulic circuit tester)

FLUID, BRAKE BONDING—See Compounds, Brake Bonding

FLUID CONTROL VALVES—See Valves, Hydraulic

FLUID COUPLINGS—See Couplings, Fluid (Machinery)

FLUID, Hydraulic

DSL—See Davis-Howland Oil Corp
Davis-Howland Oil Corp 333 South Ave Rochester 20 N Y "DSL"
General Electric Co Silicone Products Dept Waterford N Y (Silicone)
Sun Oil Co 1608 Walnut St Philadelphia 3 Pa "Sunvis"
Sunvis—See Sun Oil Co
Texaco Inc 135 E 42nd St New York 17 N Y

FLUID, Hydraulic Brake and Shock Absorber

Allube Corp., 928 Allen Ave., Glendale 1, Calif.
Ameroid—See E. F. Drew & Co.
Atlas—See Esso Standard Oil Co
Barton Products Co 1891 N Winnebago Ave Chicago 47 Ill
Battenfeld Grease & Oil Corp 3148 Roanoke Rd Kansas City 3 Mo "Ultra Lube" (Brake)
Bell Co., 411 N. Wolcott Ave., Chicago 22, Ill "Flare" (Brake)
Blue Ribbon—See International Metal Polish Co.
Blue Star—See Petroleum Chemicals Co
Bonified—See Petroleum Chemicals Co
Bowes "Seal Fast" Corp 5902 E 34th St Indianapolis 18 Ind (Brake)
Brakheed—See Universal Chemical Div R M Hollingshead Corp
Brakrite—See Chicago Hydraulic Oil Co.
Braxe—See Petroleum Chemicals Co
Carlife—See Universal Chemical Div R M Hollingshead Corp
Chicago Hydraulic Oil Co 371 E 116th St Chicago 28 Ill "Brakrite" & "Safe-Brake" (Brake; "Shockoyl" "Hijoyl" "Lojoyl" shock absorber)
Delco—See Moraine Products Div., General Motors Corp.
Dow Chemical Co Midland Mich (Private label)
Drew & Co E F Automotive Chemicals Div 15 E 26th St New York N Y "Amerold" (Brake)
du Pont de Nemours & Co Fabric & Finishes Dept Finishes Div Wilmington 98 Del (Brake)
Els Automotive Corp., Middletown, Conn (Brake.)
Esso Standard Oil Co 15 W 51st St N Y 19 N Y "Atlas" "Esso" (Shock absorber)
Five Star—See Petroleum Chemicals Co
Flare—See Bell Co.
Gilpak Automotive Products Div Packer Auto Parts Inc Roselle N Y (Brake)
Guaranteed—See Master Automotive Chemicals Inc
Hijoyl—See Chicago Hydraulic Oil Co
Hollingshead Corp R M 840 Cooper St Camden N J "Whiz" (Brake)
Houghton & Co E F 303 W Lehigh Ave Philadelphia 33 Pa "Houghto-Safe"
International Metal Polish Co., 1910 Quill St., Indianapolis, Ind. "Blue Ribbon."
Lisle Corp Brake Div 805 E Main St Clarinda Iowa
Lockheed—See Wagner Electric Corp.
Lojoyl—See Chicago Hydraulic Oil Co.
Loreman Products Moore & Division Sts Salisbury Md (Brake)
Master Automotive Chemicals Inc 37 Preston Ct Brooklyn 34 N Y "Guaranteed" (Brake; "Shock Master" shock absorber)
Mobo—See John T. Stanley Co.
Moraine Products Div., General Motors Corp., 1420 Wisconsin Blvd., Dayton, Ohio. "Delco." (Brake.)
Niehoff & Co., C. E., 4925 W. Lawrence Ave., Chicago 30, Ill. (Brake.)
Octagon Process Inc 15 Bank St Staten Island 1 N Y
Olin Mathieson Chemical Corp Industrial Chemical Div Mathieson Bldg Baltimore 3 Md "Puritan"
Park Chemical Co 8074 Military Ave Detroit 4 Mich "Parko"
Parko—See Park Chemical Co
Penetone Co 74 Hudson Ave Tenafly N J (Brake)
Permatex Co 300 Broadway Huntington Station N Y
Petroleum Chemicals Co Tilton Rd Danville Ill "Blue Star" "Bonified" "Braxe" "Five Star"
Porte Mfg Co 3179 Atlantic Ave Brooklyn 8 N Y "Porto"
Porter Co H K Thermoid Div 200 Whitehead Rd Trenton 6 N J "Thermoid" (Brake)
Porto—See Porte Mfg Co
Puritan—See Olin Mathieson Chemical Corp Industrial Chemical Div
Radiator Specialty Co 1400 W Independence Blvd Carlotte 1 N C "Super A" (Brake)
Raybestos Div of Raybestos-Manhattan Inc 75 E Main St Stratford 2 Conn (Brake)
Safe-Brake—See Chicago Hydraulic Oil Co
Shell Oil Co 50 W 50th St New York 20 N Y
Shock Master—See Master Automotive Chemicals Inc
Shockoyl—See Chicago Hydraulic Oil Co
Sinclair Refining Co 600 Fifth Ave New York 20 N Y (Brake)
Speco Inc 7308 Associate Ave Cleveland 9 Ohio
Stanley Co John T 642 W 30th St New York N Y "Mobo"
Super A—See Radiator Specialty Co
Sure-Rite—See Warehouse Dist Co
Thermoid—See H K Porter Co Thermoid Div
Tumbler Laboratories J A 423 S Hanover St Baltimore 1 Md
Ucon—See Union Carbide Chemical Co
Ultra Lube—See Baltenfeld Grease & Oil Corp
Union Carbide Chemical Co 30 E 42nd St N Y 17 N Y "Ucon" (Brake)
Universal Chemical Div R M Hollingshead Corp 840 Cooper St Camden 2 N J "Brakheed" "Carlife" "Universal"
Wagner Electric Corp 6400 Plymouth Ave St Louis 33 Mo "Lockheed" (Brake)
Warco—See Warwick Laboratories Co
Warehouse Distributing Co 3810 N 19th St Philadelphia 40 Pa "Sure-Rite"
Warwick Laboratories Co 324 Cleveland St Brooklyn 8 N Y "Warco"
Whiz—See R M Hollingshead Corp
Wilco Co 4425 Bandini Blvd Los Angeles 23 Calif (Brake)

FLUID, Transmission

Dow Chemical Co Midland Mich

FLUID LINE COUPLINGS—See Couplings, Fluid Line

FLUID, Starting (Engine)

Chevron—See Standard Oil Co of California
Cristy Chemical Corp 37 Harvard St Worcester 2 Mass
DSL—See Davis-Howland Oil Corp
Davis-Howland Oil Corp 333 South Ave Rochester 20 N Y "DSL"
H D P—See Heet Div of DeMert & Dougherty Inc
Heet Div of DeMert & Dougherty Inc 3001 W 47th St Chicago 32 Ill "H D P"
Instnstart—See Spray Products Corp
Serco—See Service Supply Co
Service Supply Co 1115 Seventh St Denver 4 Colo "Serco"
Spray Products Corp 725 Kenilworth Ave Merchantville 10 N J "Instnstart"
Standard Oil Co of California Western Operations Inc 225 Bush St San Francisco 20 Calif "Chevron"
Start Pilot Corp 61 Second St Mineola N Y
Sure-Fire—See Wilco Co
Wilco Co 4425 Bandini Blvd Los Angeles 23 Calif "Sure-Fire"

FLUX, Brazing, Welding and Soldering

All-State Welding Alloys Co 249 Ferris Ave White Plains N Y "All-State" ("Duzall" soldering; "Brazaloy" brazing)
American Platinum & Silver Div Englehard Industries Inc 231 N J R R Ave Newark 5 N J (Soldering)
Brazaloy—See All-State Welding Alloys Co
Bruce Products Corp 500 N West St Howell Mich "Bruko" (Soldering)
Bruko—See Bruce Products Corp
Buchanan Chemical Co C G 2112 Portsmouth Ave Cincinnati 8 Ohio "Buchanan" (Soldering; "Tri-B" brazing and welding)
du Pont de Nemours & Co E I Industrial & Biochemicals Dept Wilmington 98 Del "Eureka" "Kleanrol" (Soldering)
Duzall—See All-State Welding Alloys Co
Eureka—See E I du Pont de Nemours & Co
Handy & Harman 82 Fulton St New York 38 N Y
Kleanrol—See E I du Pont de Nemours & Co
Oatey Co L R 19230 Berea Rd Cleveland 2 Ohio (Soldering)
Tri-B—See C G Buchanan Chemical Co

FLUX, Foundry

Foundry Service Inc 20200 Sheldon Rd Berea Ohio

FLYWHEEL GEAR HEATERS—See Heaters, Flywheel Gear

FORGES, Rivet (Oil Burning)

Hauck Mfg Co 124 Tenth St Brooklyn N Y
Johnston Mfg Co 2825 E Hennepin Ave Minneapolis Minn
Mahr Mfg Co 7444 Girard Ave S Minneapolis 23 Minn

FORGING FURNACES—See Furnaces, Forging and Welding

FORGING MACHINES—See Machines, Forging

FORGING PRESSES—See Presses, Forging

FORGINGS, Aircraft

Auld Co D L Fifth Ave & Fifth St Columbus 1 Ohio (Aluminum)
Ladish Co 5481 S Packard Ave Cudahy Wis
Lansing Drop Forge Co 2807 S Logan St Lansing 2 Mich
Park Drop Forge Co 777 E 79th St Cleveland 3 Ohio
Wyman-Gordon Co 105 Madison St Worcester 1 Mass

FORGINGS, Aluminum

Alcoa—See Aluminum Co of America
Aluminum Co of America 1501 Alcoa Bldg Pittsburgh 19 Pa "Alcoa"

Bohn Aluminum & Brass Corp 1400 Lafayette Bldg Detroit 26 Mich "Bohnalite"
Brewer-Titchener Corp 115 Pt Watson St Cortland N Y
Bridgeport Brass Co 30 Grand St Bridgeport 2 Conn
Burke Steel Co 30 Sherer St Rochester 2 N Y
Harvey Aluminum 19200 S Western Ave Torrence Calif
Kaiser Aluminum & Chemical Corp 1924 Broadway Oakland 12 Calif
Ladish Co 5481 S Packard Ave Cudahy Wis
Lansing Drop Forge Co 2807 S Logan St Lansing 2 Mich
Revere Copper and Brass Inc 230 Park Ave New York 1 N Y
Scovill Mfg Co 99 Mill St Waterbury 20 Conn
Transue & Williams Steel Forging Corp 562 Ely St Alliance Ohio
Unit Drop Forge Div of Fuller Mfg Co 1903 S 62nd St Milwaukee 1 Wis
Williams & Co J H 400 Vulcan St Buffalo 7 N Y
Wyman-Gordon Co 105 Madison St Worcester 1 Mass

FORGINGS, Beryllium

Wyman-Gordon Co 105 Madison St Worcester 1 Mass

FORGINGS, Brass and Bronze

American Brass Co 414 Meadow St Waterbury 20 Conn "Anaconda"
Anaconda—See American Brass Co
Bohn Aluminum & Brass Corp 1400 Lafayette Bldg Detroit 26 Mich "Bohnalite" (Brass)
Chase Brass & Copper Co 236 Grand St Waterbury 20 Conn
Moore Drop Forging Co 38 Walter St Springfield 7 Mass "Morco"
Morco—See Moore Drop Forging Co
Mueller Brass Co 1925 Lapeer Ave Port Huron Mich
Revere Copper and Brass Inc 230 Park Ave New York 1 N Y
Unit Drop Forge Div of Fuller Mfg Co 1903 S 62nd St Milwaukee 1 Wis (Brass)
Williams & Co J H 400 Vulcan St Buffalo 7 N Y

FORGINGS, Columbium

Wyman-Gordon Co 105 Madison St Worcester 1 Mass

FORGINGS, High Density Alloy

Wyman-Gordon Co 105 Madison St Worcester 1 Mass

FORGINGS, Iron

Canton Drop Forging & Mfg Co 207 12th St S E Canton Ohio
Porter Forge and Furnace Inc 74 Foley St Somerville 43 Mass (Malleable)

FORGINGS, Magnesium

Aluminum Co of America 1501 Alcoa Bldg Pittsburgh 19 Pa
Ladish Co 5481 S Packard Ave Cudahy Wis
Transue & Williams Steel Forging Corp 562 Ely St Alliance Ohio
Wyman-Gordon Co 105 Madison St Worcester 1 Mass

FORGINGS, Molybdenum

Wyman-Gordon Co 105 Madison St Worcester 1 Mass

FORGINGS, Ring

Ladish Co 5481 S Packard Ave Cudahy Wis
Springfield Mfg Co Bechtle Ave & Columbia St Springfield Ohio

FORGINGS, Steel

Amforge Div American Brake Shoe Co 1220 W 119th St Chicago 43 Ill
Atlas Drop Forge Co 209 W Mt Hope Ave Lansing 4 Mich
Brewer-Titchener Corp 115 Pt Watson St Cortland N Y (Stainless)
Burke Steel Co 30 Sherer St Rochester 2 N Y
Canton Drop Forging & Mfg Co 207 12th St S E Canton Ohio
Crucible Steel Co of America Oliver Bldg Mellon Square Pittsburgh 22 Pa
Dana Corp 4100 Bennett Rd Toledo 1 Ohio
Eaton Mfg Co Marion Forge Div Route 95W Marion Ohio (Differential ring gear and pinion)
Jessop Steel Co Green St Washington Pa
Kropp Forge Co 5301 W Roosevelt Rd Cicero 50 Ill
Ladish Co 5481 S Packard Ave Cudahy Wis
Lansing Drop Forge Co 2807 S Logan St Lansing 2 Mich
Mather Spring Co P O Box 6695 West Toledo Station Toledo 12 Ohio
Moore Drop Forging Co 38 Walter St Springfield 7 Mass "Morco"
Morco—See Moore Drop Forging Co
Park Drop Forge Co 777 E 79th St Cleveland 3 Ohio
Pittsburgh Forgings Co Thorn St Coraopolis Pa
Porter Forge and Furnace Inc 74 Foley St Somerville 43 Mass
Rockwell-Standard Corp Forge Div Clark St Detroit 32 Mich
Shuler Axle Co 2901 S Second St Louisville 8 Ky
Springfield Mfg Co Bechtle Ave & Columbia St Springfield Ohio (Welded ring)
Standard Forge & Axle Co Hunter Sta Montgomery 2 Ala
Thompson Products Valve Div Thompson-Ramo Wooldridge Inc 1455 E 185th St Cleveland 10 Ohio
Transue & Williams Steel Forging Corp 562 Ely St Alliance Ohio
Unit Drop Forge Div of Fuller Mfg Co 1903 S 62nd St Milwaukee 1 Wis
Universal-Cyclops Steel Corp Station St Bridgeville Pa
Vanadium-Alloys Steel Co Latrobe Pa
Williams & Co J H 400 Vulcan St Buffalo 7 N Y
Wyman-Gordon Co 105 Madison St Worcester 1 Mass

FORGINGS, Titanium

Wyman-Gordon Co 105 Madison St Worcester 1 Mass

FORM GRINDING MACHINES—See Machines, Grinding (Form)

FORMING MACHINES, COLD ROLL—See Machines, Forming (Cold Roll)

FORMS, Wire

Cuyahoga Products Corp 10252 Berea Rd Cleveland 2 Ohio
Eastern Tool & Mfg Corp Montgomery St Belleville 9 N J
Eaton Mfg Co Spring Div 9771 French Rd Detroit 31 Mich
Hubbard Spring Mfg Co M D 646 Central Ave Pontiac Mich
Titchener & Co E H 67 Clinton St Binghamton N Y
U S Steel Wire Spring Co 7800 Finney Ave Cleveland 5 Ohio

FOUNDATIONS, Body Upholstery

Arvey Corp., 6401 E. Nevada Ave., Detroit 34, Mich. "Ebonite."
Ebonite—See Arvey Corp.
Ruberoid Co 500 Fifth Ave N Y 36 N Y

FOUNDRY COMPOUNDS — See Compounds, Core; also Compounds, Degassing; also Flux, Foundry

FOUNDRY FLUX—See Flux, Foundry

FOUR-WHEEL DRIVE ASSEMBLIES (For Light Trucks)—See Assemblies Four-Wheel Drive

FRAME PADDING — See Lining, Body or Frame

FRAMES, Auto (Pressed Steel)

Budd Co 2450 Hunting Park Ave Philadelphia 32 Pa
Dana Corp 4100 Bennett Rd Toledo 1 Ohio "Spicer"
Midland-Ross Corp Cleveland Div Madison Ave & W 106th St Cleveland Ohio (Buick Studebaker Willys and GMC trucks)
Midland-Ross Corp Detroit Div 6660 Mt Elliott Ave Detroit 11 Mich
Midland-Ross Corp Owosso Div 490 S Chestnut St Owosso Mich
Parish Pressed Steel Div of Dana Corp Robeson & Weiser Sts Reading Pa
Smith Corp A O 27th & Hopkins Sts Milwaukee 1 Wis
Spicer—See Dana Corp

FRAMES, Radio Speaker

Cleveland Steel Products Corp 16025 Brookpark Rd Cleveland 35 Ohio

FRAMES, Seat

Ainsworth-Precision Castings Co Div of Harsco Corp 3200 Guardian Bldg Detroit 26 Mich (Tubular)
American Forging & Socket Co., P. O. Box 210, Pontiac, Mich. (Bucket and folding.)
American Metal Products Co., 5959 Lindsdale Ave., Detroit 4, Mich.
Ionia Mfg Co Div of Mitchell-Bentley Corp 121 S Dexter St Ionia Mich
Michigan Steel Tube Products Div Standard Tube Co 24400 Plymouth Rd Detroit 39 Mich
Randall Co 5000 Spring Grove Ave Cincinnati 32 Ohio
Rockwell-Standard Corp Seating Div 7035 W 65th St Chicago 38 Ill

FRAMES, Trailer

Elkhart Welding & Boiler Works Inc 2132 S Main St Elkhart Ind "Bock" (Mobile)

FRAMES, Truck (Swivel)

Truckstell Mfg Co. 3190 W 140th St Cleveland 11 Ohio "Truckstell Willock"

FRAMES, Window, Metal (Auto)

Adams & Westlake Co 1019 N Michigan St Elkhart Ind "Adlake" (Auto and bus)
Bath Co Cyril 32400 Aurora Rd Solon Ohio
Dee-Gee—See Detroit Gasket & Mfg Co
Detroit Gasket & Mfg Co 12640 Burt Rd Detroit 23 Mich

FRICTION MATERIAL

Raybestos-Manhattan Inc Equipment Sales Div P O Box 1021 Bridgeport Conn

FRONT END SUSPENSION PARTS — See Parts, Front End Suspension

FUEL CONTROL SYSTEMS (JET ENGINE) —See Systems, Fuel Control (Jet Engine)

FUEL FILTERS—See Filters, Gasoline (Auto); also Strainers, Gasoline

FUEL GAGE TESTERS—See Testers, Fuel Gage

FUEL INJECTORS—See Injection Systems, Diesel & Gasoline Engine

FUEL LINES, FLEXIBLE—See Tubing, Oil and Gasoline Line

FUEL PRESSURE REGULATORS—See Regulators, Fuel Pressure

FUEL PUMP PARTS—See Parts, Fuel Pump

FUEL PUMPS—See Pumps, Fuel (Auto)

FUEL STRAINERS—See Strainers, Gasoline

FURNACE CONVEYORS — See Conveyors Furnace

FURNACE REGULATORS, ELECTRIC — See Regulators Furnace (Electric)

FURNACES, Aluminum Melting

American Gas Furnace Co., Lafayette, Spring & Elizabeth Sts., Elizabeth, N. J.
Bellevue Industrial Furnace Co 2620 Crane St Bellevue 14 Mich
Buzzer—See Charles A Hones Inc
Fisher Furnace Div. of Lindberg Engineering Co., 2476 W. Hubbard St., Chicago, Ill. "Lindberg-Fisher."
Hones Inc Charles A 139 S Grand Ave Baldwin N Y "Buzzer"
Johnston Mfg. Co., 2825 E. Hennepin Ave., Minneapolis, Minn.
Kindt-Collins Co., 12651 Elmwood Ave., Cleveland 11, Ohio. "Master."
Lindberg-Fisher—See Fisher Furnace Div. of Lindberg Engrg. Co.
Loftus Engrg Corp 1 Gateway Center Pittsburgh 22 Pa
Master—See Kindt-Collins Co
Rockwell Co W S 200 Eliot St Fairfield Conn
Sunbeam Corp Industrial Furnace Div 4433 Ogden Ave Chicago 23 Ill "Sunbeam Stewart"
Surface Combustion Corp 2375 Dorr St Toledo 1 Ohio

FURNACES, ANNEALING — See Furnaces, Heat Treating

FURNACES, Babbitt Melting

American Gas Furnace Co., Lafayette, Spring & Elizabeth Sts., Elizabeth, N. J.
Bellevue Industrial Furnace Co 2620 Crane St Bellevue 14 Mich
Buzzer—See Charles A. Hones, Inc.
Hones Inc Charles A 139 S Grand Ave Baldwin N Y "Buzzer"
Johnson Gas Appliance Co., 520 E Ave., W., Cedar Rapids, Iowa.

FURNACES, Babbitt Melting—continued

Johnston Mfg. Co., 2825 E. Hennepin Ave., Minneapolis, Minn.
Rockwell Co., W. S., 200 Eliot St., Fairfield, Conn.
Storm-Vulcan Inc 2225 Burbank St Dallas 19 Tex
Surface Combustion Corp., 2375 Dorr St., Toledo 1, Ohio.

FURNACES, Billet Heating

Ajax Electrothermic Corp 1490 Lower Ferry Rd Trenton 5 N J "Ajax-Northrup"
Bellevue Industrial Furnace Co 2620 Crane St Bellevue 14 Mich
EF—Electric Furnace Co
Electric Furnace Co 539 Wilson Ave Salem Ohio "EF" "Elfurno"
Elfurno—See Electric Furnace Co.
Johnston Mfg. Co., 2825 E. Hennepin Ave., Minneapolis, Minn.
Lindberg Engrg Co 2476 W Hubbard St Chicago 12 Ill
Loftus Engrg Corp 1 Gateway Center Pittsburgh 22 Pa
Rockwell Co., W. S., 200 Eliot St., Fairfield, Conn
Salem-Brosius Inc Arch St Carnegie Pa
Sunbeam Corp Industrial Furnace Div 4433 Ogden Ave Chicago 23 Ill "Sunbeam Stewart"

FURNACES, BLUING—See Furnaces, Rustproofing

FURNACES, Brazing

Electric Furnace Co 539 Wilson Ave Salem Ohio "EF" "Elfurno" (Brass aluminum copper and silver)
Harper Electric Furnace Corp 110 Pearl St Buffalo 2 N Y
Lindberg Engrg Co 2476 W Hubbard St Chicago 12 Ill
Ohio Crankshaft Co 3800 Harvard Ave Cleveland 5 Ohio (Induction)

FURNACES, Bulldozer

Johnston Mfg Co 2825 E Hennepin Ave Minneapolis Minn

FURNACES, CASE HARDENING—See Furnaces, Heat Treating

FURNACES, Conveyor

American Gas Furnace Co., Lafayette, Spring & Elizabeth Sts., Elizabeth, N. J.
Bellevue Industrial Furnace Co 2620 Crane St Bellevue 14 Mich
Drever Co Red Lion Rd & Philmont Ave Bethayres Pa (Belt)
EF—See Electric Furnace Co.
Electric Furnace Co 539 Wilson Ave Salem Ohio "EF" "Elfurno"
Elfurno—See Electric Furnace Co.
Foundry Equipment Co., 1831 Columbus Rd., Cleveland 13, Ohio. "McCann."
G-E—See General Electric Co
General Electric Co Apparatus Sales Div 1 River Rd Schenectady 5 N Y "G-E"
Harper Electric Furnace Corp 110 Pearl St Buffalo 2 N Y (Mesh belt)
Holcroft & Co 6545 Epworth Blvd Detroit 10 Mich
Johnston Mfg. Co., 2825 E. Hennepin Ave., Minneapolis, Minn.
Kenworthy, Inc., Charles F., 195 Piedmont St., Waterbury, Conn.
Lindberg Engrg Co 2476 W Hubbard St Chicago 12 Ill
Link-Belt Co Dept 59-AIPG Prudential Plaza Chicago 1 Ill
Loftus Engrg Corp 1 Gateway Center Pittsburgh 22 Pa
McCann—See Foundry Equipment Co.
Rockwell Co., W. S., 200 Eliot St., Fairfield, Conn
Salem-Brosius Inc Arch St Carnegie Pa
Sunbeam Corp Industrial Furnace Div 4433 Ogden Ave Chicago 23 Ill "Sunbeam Stewart"

FURNACES, Electric

Ajax Electric Co 944 Frankford Ave Philadelphia 23 Pa "Ajax-Hultgren" (Salt bath)
Ajax Electrothermic Corp 1490 Lower Ferry Rd Trenton 5 N J "Ajax-Northrup" (Induction)
Bellevue Industrial Furnace Co 2971 Bellevue Ave Detroit 7 Mich
Blue M Electric Co 138th & Chatham Sts Blue Island Ill
Certain Curtain—See C. I. Hayes, Inc.
Cooley Electric Mfg Co 38 S Shelby St Indianapolis 7 Ind
Detroit Electric Furnace Div., Kuhlman Electric Co., 1000 26th St., Bay City, Mich. (Metal melting.)
Drever Co Red Lion Rd & Philmont Ave Bethayres Pa
EF—See Electric Furnace Co.
Electric Furnace Co 539 Wilson Ave Salem Ohio "EF" "Elfurno"
Elfurno—See Electric Furnace Co.
G-E—See General Electric Co
General Electric Co Apparatus Sales Div 1 River Rd Schenectady 5 N Y "G-E"
Grieve-Hendry Co 1350 N Elston Ave Chicago 22 Ill
Harper Electric Furnace Corp 110 Pearl St Buffalo 2 N Y
Hayes Inc C I 800 Wellington Ave Cranston 10 R I "Certain Curtain"
Holcroft & Co 6545 Epworth Blvd Detroit 10 Mich
Holden Co A F 14341 Schaefer Highway Detroit 27 Mich
Huppert Co., K. H., 6830 Cottage Grove Ave., Chicago 37, Ill. (Heat treating.)
Kenworthy, Inc., Charles F., 195 Piedmont St., Waterbury, Conn.
Lectromelt Furnace Div McGraw Edison Co 32nd St & Allegheny River Pittsburgh 30 Pa
Lindberg Engrg Co 2476 W Hubbard St Chicago 12 Ill
Loftus Engrg Corp 1 Gateway Center Pittsburgh 22 Pa
Rockwell Co., W. S., 200 Eliot St., Fairfield, Conn.
Salem-Brosius Inc Arch St Carnegie Pa
Sentry Co., 62 Main St., Foxboro, Mass.
Standard Fuel Engineering Co., 667 Post Ave., S., Detroit, Mich.
Sunbeam Corp Industrial Furnace Div 4433 Ogden Ave Chicago 23 Ill "Sunbeam Stewart"
Swindell-Dressler Corp., P. O. Box 1888, Pittsburgh 30, Pa.
Whiting Corp 157th & Lathrop Sts Harvey Ill

FURNACES, Forging and Welding

Ajax Electrothermic Corp 1490 Lower Ferry Rd Trenton 5 N J (Induction)
Bellevue Industrial Furnace Co 2620 Crane St Bellevue 14 Mich
Circ-Air—See Industrial Heating Equip Co
Continental Industrial Engineers, Inc., 176 W. Adams St., Chicago 3, Ill. (Forging.)
EF—See Electric Furnace Co.
Electric Furnace Co 539 Wilson Ave Salem Ohio "EF" "Elfurno"
Elfurno—See Electric Furnace Co.
Gas Appliance Service Co 1940 W Balmoral Ave Chicago 40 Ill (Forging)
Gas Machinery Co 16100 Waterloo Rd Cleveland 10 Ohio "Gasmaco"
Gasmaco—See Gas Machinery Co
Holcroft & Co., 6545 Epworth Blvd., Detroit 10, Mich.
Induction Heating Corp., 181 Wythe Ave., Brooklyn 11, N. Y.
Industrial Heating Equip Co 3570 Fremont Pl Detroit 7 Mich "Circ-Air" (Forging)
Johnston Mfg. Co., 2825 E. Hennepin Ave., Minneapolis, Minn.
Lindberg Engrg Co 2476 W Hubbard St Chicago 12 Ill
Loftus Engrg Corp 1 Gateway Center Pittsburgh 22 Pa
Magnethermic Corp 3990 Simon Rd Youngstown 7 Ohio
Mahr Mfg Co 7444 Girard Ave S Minneapolis 23 Minn
Rockwell Co., W. S., 200 Eliot St., Fairfield, Conn.
Salem-Brosius Inc Arch St Carnegie Pa (Forging)
Standard Fuel Engineering Co., 667 Post Ave., S., Detroit, Mich.
Sunbeam Corp Industrial Furnace Div 4433 Ogden Ave Chicago 23 Ill "Sunbeam Stewart"
Surface Combustion Corp., 2375 Dorr St., Toledo 1, Ohio.

FURNACES, Gas

American Gas Furnace Co., Lafayette, Spring & Elizabeth Sts., Elizabeth, N. J.
Bellevue Industrial Furnace Co 2620 Crane St Bellevue 14 Mich
Buzzer—See Charles A Hones Inc
Drever Co Red Lion Rd & Philmont Ave Bethayres Pa
EF—See Electric Furnace Co.
Electric Furnace Co 539 Wilson Ave Salem Ohio "EF" "Elfurno"
Elfurno—See Electric Furnace Co.
Gas Appliance Service Inc 1940 W Balmoral Ave Chicago 40 Ill "Roto-Flame"
Grieve-Hendry Co 1350 N Elston Ave Chicago 22 Ill
Hi-Life—See Lindberg Engrg Co
Holcroft & Co., 6545 Epworth Blvd., Detroit 10, Mich.
Holden Co A F 11300 Schaefer Highway Detroit 27 Mich
Hones Inc Charles A 139 S Grand Ave Baldwin N Y "Buzzer"
Johnston Mfg. Co., 2825 E. Hennepin Ave., Minneapolis, Minn.
Kenworthy, Inc., Charles F., 195 Piedmont St., Waterbury, Conn.
Lindberg Engrg Co 2476 W Hubbard St Chicago 12 Ill "Hi-Life"
Loftus Engrg Corp 1 Gateway Center Pittsburgh 22 Pa
Rockwell Co., W. S., 200 Eliot St., Fairfield Conn.
Roto-Flame—See Gas Appliance Service Inc
Salem-Brosius Inc Arch St Carnegie Pa
Selas Corp of America Dresher Pa
Sunbeam Corp Industrial Furnace Div 4433 Ogden Ave Chicago 23 Ill "Sunbeam Stewart"
Surface Combustion Corp., 2375 Dorr St., Toledo 1, Ohio.
Swindell-Dressler Corp., P. O. Box 1888, Pittsburgh 30, Pa.

FURNACES, Heat Treating

Ajax Electric Co 944 Frankford Ave Philadelphia 23 Pa "Ajax-Hultgren"
Ajax Electrothermic Corp 1490 Lower Ferry Rd Trenton 5 N J "Ajax-Northrup" (Induction)
American Gas Furnace Co., Lafayette, Spring & Elizabeth Sts., Elizabeth, N. J.
Bellevue Industrial Furnace Co 2620 Crane St Bellevue 14 Mich
Blue M Electric Co 138th & Chatham Sts Blue Island Ill (Electric)
Burdett Mfg Co 4920 S Monitor St Chicago 38 Ill
Buzzer—See Charles A. Hones, Inc.
Certain Curtain—See C. I. Hayes, Inc.
Circ-Air—See Industrial Heating Equip Co
Continental Industrial Engineers, Inc., 176 W. Adams St., Chicago 3, Ill.
Cooley Electric Mfg Corp 38 S Shelby St Indianapolis 7 Ind
Cyclone—See Lindberg Engineering Co
DeVilbiss Co 30 Phillips Ave Toledo 1 Ohio
Drever Co Red Lion Rd & Philmont Ave Bethayres Pa
Drinox—See Charles F. Kenworthy Inc
EF—See Electric Furnace Co
Electric Furnace Co 539 Wilson Ave Salem Ohio "EF" "Elfurno"
Elfurno—See Electric Furnace Co
Flexotemp—See C I Hayes Inc
Foundry Equipment Co 1831 Columbus Rd Cleveland 13 Ohio "McCann"
G-E—See General Electric Co
Gas Appliance Service Inc 1211 Webster Ave Chicago 14 Ill "Gear-Treater" (Gas)
Gas Machinery Co 16100 Waterloo Rd Cleveland 10 Ohio "Gasmaco"
Gasmaco—See Gas Machinery Co
Gear Treater—See Gas Appliance Service Inc
General Electric Co Apparatus Sales Div 1 River Rd Schenectady 5 N Y "G-E"
Gradiation—See Selas Corp of America
Grieve-Hendry Co 1350 N Elston Ave Chicago 22 Ill (Gas or electric)
Harper Electric Furnace Corp 110 Pearl St Buffalo 2 N Y
Hayes Inc C I 800 Wellington Ave Cranston 10 R I "Certain Curtain" "Flexotemp" "Vacu-Master"
Hevi Duty Electric Co 2040 W Wisconsin Ave Milwaukee 1 Wis "Hevi Duty" "Multiple Unit" (Electric and gas)
Holcroft & Co., 6545 Epworth Blvd., Detroit 10, Mich.
Holden Co A F 14341 Schaefer Highway Detroit 27 Mich
Homo—See Leeds & Northrup Co.
Homocarb—See Leeds & Northrup Co.
Hones Inc Charles A 139 S Grand Ave Baldwin N Y "Buzzer"
Hump—See Leeds & Northrup Co.
Huppert Co., K. H. 6830 Cottage Grove Ave., Chicago 37, Ill. (Electric.)
Hydryzing—See Lindberg Engineering Co.
Induct-O-Ring—See Lindberg Engrg Co
Induction Heating Corp., 181 Wythe Ave., Brooklyn 11, N. Y.
Industrial Heating Equip Co 3570 Fremont Pl Detroit 7 Mich "Circ-Air"
Ipsen Industries Inc 715 S Main St Rockford Ill (Automatic)
Johnson Gas Appliance Co., 520 E Ave., W., Cedar Rapids, Iowa.
Johnston Mfg. Co., 2825 E. Hennepin Ave., Minneapolis, Minn.
Kenworthy, Inc., Charles F., 195 Piedmont St., Waterbury, Conn. "Kenworthy," "Drinox."

Leeds & Northrup Co., 4970 Stenton Ave., Philadelphia 44, Pa. "Hump," "Homo," "Homocarb," "Vapocarb." (Electric and gas)
Lindberg Engineering Co 2476 W Hubbard St Chicago 12 Ill "Cyclone" "Hydryzing" "Induct-O-Ring" "Super Cyclone"
Loftus Engrg Corp 1 Gateway Center Pittsburgh 22 Pa
McCann—See Foundry Equipment Co.
Magnethermic Corp 3990 Simon Rd Youngstown 7 Ohio
Mahr Mfg Co 7444 Girard Ave S Minneapolis 23 Minn (Gas oil and electric)
Multiple Unit—See Hevi Duty Electric Co.
N R C Equipment Corp 160 Charlemont St Newton 61 Mass
Pacific Scientific Co P O Box 22019 Los Angeles 22 Calif
Rockwell Co., W. S., 200 Eliot St., Fairfield, Conn.
Salem-Brosius Inc Arch St Carnegie Pa
Selas Corp of America Dresher Pa "Gradiation"
Sentry Co., 62 Main St., Foxboro, Mass.
Steiner-Ives Co Springfield Rd Union N J
Sunbeam Corp Industrial Furnace Div 4433 Ogden Ave Chicago 23 Ill "Sunbeam Stewart"
Super-Cyclone—See Lindberg Engineering Co.
Surface Combustion Corp., 2375 Dorr St., Toledo 1, Ohio.
Swindell-Dressler Corp., P. O. Box 1888 Pittsburgh 30, Pa.
Vacu-Master—See C I Hayes Inc
Vapocarb—See Leeds & Northrup Co.

FURNACES, Induction Heating

(See also Heaters Induction)

Ajax Electrothermic Corp 1490 Lower Ferry Rd Trenton 5 N J "Ajax-Northrup"
Loftus Engrg Corp 1 Gateway Center Pittsburgh 22 Pa

FURNACES, Oil

Bellevue Industrial Furnace Co 2620 Crane St Bellevue 14 Mich
EF—See Electric Furnace Co
Electric Furnace Co 539 Wilson Ave Salem Ohio "EF" "Elfurno"
Elfurno—See Electric Furnace Co.
Holcroft & Co., 6545 Epworth Blvd., Detroit 10, Mich.
Holden Co A F 14341 Schaefer Highway Detroit 27 Mich
Johnston Mfg. Co., 2825 E. Hennepin Ave., Minneapolis, Minn.
Kenworthy, Inc., Charles F., 195 Piedmont St., Waterbury, Conn.
Loftus Engrg Corp 1 Gateway Center Pittsburgh 22 Pa
Rockwell Co., W. S., 200 Eliot St., Fairfield, Conn.
Salem-Brosius Inc Arch St Carnegie Pa
Sunbeam Corp Industrial Furnace Div 4433 Ogden Ave Chicago 23 Ill "Sunbeam Stewart"
Swindell-Dressler Corp., P. O. Box 1888, Pittsburgh 30, Pa.

FURNACES, Rivet Heating

Bellevue Industrial Furnace Co 2620 Crane St Bellevue 14 Mich
Johnston Mfg. Co., 2825 E. Hennepin Ave., Minneapolis, Minn.
Kenworthy, Inc., Charles F., 195 Piedmont St., Waterbury, Conn. (Portable electric. Duralumin.)
Rockwell Co., W. S., 200 Eliot St., Fairfield, Conn.
Sunbeam Corp Industrial Furnace Div 4433 Ogden Ave Chicago 23 Ill "Sunbeam Stewart"
Surface Combustion Corp., 2375 Dorr St., Toledo 1, Ohio.

FURNACES, Rustproofing

(Bluing, black coating, etc.)

Electric Furnace Co 539 Wilson Ave Salem Ohio

FURNACES, Sintering (Powdered Metal)

Ajax Electrothermic Corp 1490 Lower Ferry Rd Trenton 5 N J (Induction)
Drever Co Red Lion Rd & Philmont Ave Bethayres Pa
Electric Furnace Co 539 Wilson Ave Salem Ohio
Haller Inc 16580 Northville Rd Northville Mich (Electric)
Harper Electric Furnace Corp 110 Pearl St Buffalo 2 N Y
Lindberg Engrg Co 2476 W Hubbard St Chicago 12 Ill

FURNACES, Soldering

Ajax Electrothermic Corp 1490 Lower Ferry Rd Trenton 5 N J "Ajax-Northrup" (Induction)
Bellevue Industrial Furnace Co 2620 Crane St Bellevue 14 Mich
Buzzer—See Charles A Hones Inc
EF—See Electric Furnace Co
Electric Furnace Co 539 Wilson Ave Salem Ohio "EF" "Elfurno"
Elfurno—See Electric Furnace Co.
G-E—See General Electric Co
General Electric Co Apparatus Sales Div 1 River Rd Schenectady 5 N Y "G-E"
Harper Electric Furnace Corp 110 Pearl St Buffalo 2 N Y
Hones Inc Charles A 139 S Grand Ave Baldwin N Y "Buzzer"
Induction Heating Corp 181 Wythe Ave Brooklyn 11 N Y
Johnson Gas Appliance Co., 520 E Ave., W., Cedar Rapids, Mich.
Lindberg Engrg Co 2476 W Hubbard St Chicago 12 Ill
Littlestown Hardware & Foundry Charles St Littlestown Pa
Loftus Engrg Corp 1 Gateway Center Pittsburgh 22 Pa
Magnethermic Corp 3990 Simon Rd Youngstown 7 Ohio
Selas Corp of America Dresher Pa
Sentry Co., 62 Main St., Foxboro, Mass.
Sta-Warm Electric Co., 252 N. Chestnut St., Ravenna, Ohio. (Electric)
Sunbeam Corp Industrial Furnace Div 4433 Ogden Ave Chicago 23 Ill "Sunbeam Stewart"
Surface Combustion Corp., 2375 Dorr St., Toledo 1, Ohio.
Yost Mfg Co 124 Grant St Cambridge Springs Pa

FURNACES, Spring Fitting

Johnston Mfg. Co., 2825 E. Hennepin Ave., Minneapolis, Minn.

FURNACES, TEMPERING — See Furnaces, Heat Treating

FURNACES, Vacuum

Consolidated Electrodynamics Corp Rochester Div 1775 Mt Read Blvd Rochester 3 N Y
Lectromelt Furnace Div McGraw-Edison Co 32nd St & Allegheny River Pittsburgh 30 Pa
Lindberg Engrg Co 2476 W Hubbard St Chicago 12 Ill
Stokes Corp F J 5500 Tabor Rd Philadelphia 20 Pa
Sunbeam Corp Industrial Furnace Div 4433 Ogden Ave Chicago 23 Ill "Sunbeam Stewart"

FUSE CLIPS—See Clips, Fuse (Industrial)

FUSE PANELS—See Panels, Instrument (With Instruments Assembled)

FUSEES—See Flares, Highway Lighting

FUSES, Electric

Buss—See Bussmann Mfg Div
Bussmann Mfg Div McGraw-Edison Co 2536 W. University St St Louis 7 Mo "Buss" "Buss Fustats" "Fusetrons"
Eagle Electric Mfg Co 23-10 Bridge Plaza South Long Island City 1 N Y
Fusetrons—See Bussmann Mfg Div
Hi-Lag—See Ware Fuse Corp
Littelfuse Inc 1865 Miner St Des Plaines Ill
Monarch Electric Corp 118 E 1st St Jamestown N Y
One-Time—See Ware Fuse Corp
Preferred Electric & Wire Co Bush Terminal Bldg No 8 Brooklyn 32 N Y
Remco—See Reynolds Mfg. Co.
Reynolds Mfg Co 1419 Alamo National Bldg San Antonio 5 Tex "Remco"
Royal Electric Corp 95 Grand Ave Pawtucket R I
Signal-Stat Corp Signal-Stat Bldg 523 Kent Ave Brooklyn 11 N Y
Trico Fuse Mfg Co 2948 N Fifth St Milwaukee 12 Wis
W-B—See Ware Fuse Corp
Ware Fuse Corp 4406 W Lake St Chicago Ill "Hi-Lag" "One-Time" "W-B"

GAGE BLOCKS—See Blocks, Gage

GAGES, AIR PRESSURE—See Gages, Cylinder Compression; also Gages, Steam and Air

GAGES, AXLE ALIGNING—See Gages, Wheel and Axle Aligning

GAGES, Center

Brown & Sharpe Mfg. Co., 235 Promenade St., Providence, R. I.
Lufkin Rule Co 1730 Hess Ave Saginaw Mich
Millers Falls Co, 57 Wells St Greenfield Mass
Starrett Co., L. S., 1 Crescent St., Athol, Mass.
Union Tool Co., 48 E. River St., Orange, Mass.

GAGES, Chuck (Tire Inflating)

Acme Air Appliance Co 205 Newman St Hackensack N J
Amseco Inc 145 S Monterey Ave Villa Park Ill
Barmotive Products Inc 440 Peralta Ave San Leandro Calif "Nelson"
Big Four Industries Inc Maineville (Foster) Ohio
Diamond-U Products 8459 Dearborn Ave South Gate Calif
Druge Bros Mfg Co 888 92nd Ave Oakland 3 Calif "Tru-Flate" (Sole distributors Tru-Flate Inc 888 92nd Ave Oakland 3 Calif
Eco—See John Wood Co Bennett Pump Div
Nelson—See Barmotive Products Inc
Schrader's Son, Div of Scovill Mfg Co A 470 Vanderbilt Ave Brooklyn 38 N Y
Syracuse Gauge Co P O Box 51 Manlius N Y
Tru-Flate—See Druge Bros Mfg Co.
Wood Co John Bennett Pump Div Broadway & Wood Sts Muskegon Mich "Eco"

GAGES, Cylinder

(See also Micrometers)

Ames Co., B. C., 12 Ames St., Waltham 54, Mass.
Centromatic—See McQuay-Norris Mfg. Co.
Chicago Dial Indicator Co 180 N Wacker Drive Chicago 6 Ill "Geneva"
Geneva—See Chicago Dial Indicator Co
McQuay-Norris Mfg. Co., 2320 Marconi St., St. Louis, Mo. "Centromatic."
Sheffield Corp 721 Springfield St Dayton 1 Ohio
Standard Gage Co Poughkeepsie N Y
Starrett Co., L. S., 1 Crescent St., Athol, Mass.
Swedish Gage Co of America 10641 Haggerty Ave Dearborn 1 Mich

GAGES, Cylinder Compression

Acme Air Appliance Co 205 Newman St Hackensack N J
Allen Electric & Equipment Co., 2101 N. Pitcher St., Kalamazoo 13F, Mich.
Auto-Test Inc 600 S Michigan Ave Chicago 5 Ill "Auto Test Compress-Aid"
Bacharach Industrial Instrument Co 200 N Braddock Ave Pittsburgh 8 Pa (Diesel engine)
Compressometer—See Electro Products Co
Cornwell Quality Tools Co Mogadore Ohio
Electric Auto-Lite Co Toledo 1 Ohio
Electro Products Co 445 E 189 St N Y 58 N Y "Compressometer"
Fisher Products Corp A R 21-21 44th Drive Long Island City 1 N Y "MoTest" (Recording)
G M Co Mfg Inc 13-08 43rd Ave Long Island City N Y
Griswold Co F T Lancaster Pike Wayne Pa "Motorstat" (Leak tester)
Hanson Co Harvey E Lake Blvd & Commercial St Paw Paw Mich
Hastings Mfg Co N Hanover St Hastings Mich
Kennedy Service Tools Co 788 Evans Ave Akron 5 Ohio
Kent-Moore Organization Inc 28635 Mound Rd Warren Mich "Rate-Maker"
Kiene Diesel Accessories Inc 10352 Pacific Ave Franklin Park Ill (Diesel engine)
King Electric Equipment Co 9123 Inman Ave Cleveland 5 Ohio
Mack Products Co 15 Putnam St Winthrop Mass
Miller Mfg Co 17640 Grand River Ave Detroit 27 Mich
MoTest—See Fisher Products Corp
Motorstat—See F. T. Griswold Mfg. Co.
Nasa Tool Mfg Corp 3427 Locust Corner Rd Amelia O
National Machine & Tool Co., 4077 Page Ave., Jackson, Mich.
Niehoff & Co., C. E., 4925 W. Lawrence Ave., Chicago 30, Ill.
Rate-Maker—See Kent-Moore Organization Inc

GAGES, Cylinder Compression—continued

Rimac—See Rinck-Mellwaine, Inc.
Rinck-Mellwaine, Inc., 16 Hudson St., New York 13, N. Y. "Rimac."
Schauer Mfg Corp 4500 Alpine Ave Rossmoyne Ohio
Snap-On Tools Corp 8046 28th Ave Kenosha Wis
Sun Electric Corp., 6323 Avondale Ave., Chicago 31, Ill.
United States Gauge Div. of American Machine & Metals, Inc., Clymer Ave., Sellersville, Pa.
Weidenhoff Corp Algona Iowa

GAGES, Cylindrical

Brown & Sharpe Mfg. Co., 235 Promenade St., Providence, R. I.
Do All Co 254 N Laurel Ave Des Plaines Ill
Dow Mechanical Corp Thompsonville Conn
HW—See Hanson-Whitney Co
Hanson-Whitney Co 169 Bartholomew Ave Hartford 2 Conn "HW"
Pratt & Whitney Co Charter Oak Blvd West Hartford 1 Conn
Republic Gage Co 2228 Fenkell Ave Detroit 38 Mich
Standard Gage Co Poughkeepsie N Y
Standard Thread Gage Co 26538 W Seven Mile Rd Detroit 19 Mich

GAGES, Depth

Ames Co., B. C., 12 Ames St., Waltham 54, Mass.
Bristol Co Waterbury 20 Conn
Brown & Sharpe Mfg. Co., 235 Promenade St., Providence, R. I
Central Tool Co 456 Wellington Ave Cranston 10 R I
Chicago Dial Indicator Co 180 N Wacker Drive Chicago 6 Ill "Geneva"
Davis Gage & Engrg Co A G 21435 Dequindre Rd Hazel Park Mich
Do All Co 254 N Laurel Ave Des Plaines Ill
Dow Mechanical Corp Thompsonville Conn
Federal Products Corp., 1144 Eddy St., Providence 1 R I
Geneva—See Chicago Dial Indicator Co
Hanlo Gage Co 16150 Hubbell Ave Detroit 35 Mich
Keystone Reamer & Tool Co., Millersburg, Pa
Lufkin Rule Co 1730 Hess Ave Saginaw Mich
Millers Falls Co 57 Wells St Greenfield Mass
Rite-O Tool & Gage Co 321 W Ten Mile Rd Hazel Park Mich
Sheffield Corp 721 Springfield St Dayton 1 Ohio
Standard Gage Co Poughkeepsie N Y
Starrett Co L S 1 Crescent St Athol Mass
Union Tool Co 48 E River St Orange Mass

GAGES, Dial

Acra-Ment—See Sealol Corp
Ames Co., B. C., 12 Ames St., Waltham 54, Mass.
Boice Gages Inc Hyde Park N Y (Snap and bore)
Bristol Co Waterbury 20 Conn
Brown & Sharpe Mfg. Co., 235 Promenade St., Providence, R. I.
Dow Mechanical Corp Thompsonville Conn
Federal Products Corp., 1144 Eddy St., Providence, R. I.
Hanlo Gage Co 18415 Weaver Ave Detroit 28 Mich
Lincoln Park Industries Inc 1719 Ferris Ave Lincoln Park 25 Mich (Snap)
Nilco—See Nilsson Gage Products Inc
Nilsson Gage Products Inc Boise Rd Hyde Park N Y "Nilco"
Rimat Gage Co 21 W Dayton St Pasadena 2 Calif (Bore)
Sealol Corp Warwick Industrial Park Providence 5 R I "Acra-Ment"
Sheffield Corp 721 Springfield St Dayton 1 Ohio
Standard Gage Co Poughkeepsie N Y
Starrett Co., L. S., 1 Crescent St., Athol Mass.

GAGES, Drill and Wire

Brown & Sharpe Mfg. Co., 235 Promenade St., Providence, R. I
Starret Co 1-165 Crescent St Athol Mass

GAGES, Engine Vacuum

Allen Electric & Equipment Co 2101 N Pitcher St Kalamazoo 13F, Mich
Ashcroft—See Manning Maxwell & Moore Inc
Electric Auto-Lite Co Toledo 1 Ohio
Electro Products Co 445 E 189th St New York 58 N Y "Motor Peaker"
Hanson Co Harvey E Lake Blvd & Commercial St Paw Paw Mich
Hastings Mfg Co N Hanover St Hastings Mich
Kennedy Service Tools Co 788 Evans Ave Akron 5 Ohio
King Electric Equipment Co 9123 Inman Ave Cleveland 5 Ohio
Manning Maxwell & Moore Inc Consolidated Ashcroft Hancock Div Stratford Conn "Ashcroft"
Motor Peaker—See Electro Products Co.
Nasa Tool Mfg Corp 3427 Locust Corner Rd Amelia Ohio
National Machine & Tool Co., 4077 Page Ave., Jackson, Mich.
Niehoff & Co., C. E., 4925 W. Lawrence Ave., Chicago 30, Ill.
Petroleum Solvents Corp 331 Madison Ave N Y 17 N Y "Siloo"
Rimac—See Rinck-Mellwaine, Inc.
Rinck-Mellwaine, Inc., 16 Hudson St., New York 13, N. Y. "Rimac."
Rochester Mfg. Co., 100 Rockwood St., Rochester 10, N. Y.
Schauer Mfg Corp 4500 Alpine Ave Rossmoyne Ohio
Siloo—See Petroleum Solvents Corp
Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis.
Stewart-Warner Corp Instrument Div 1826 Diversey Parkway Chicago 14 Ill
Sun Electric Corp., 6323 Avondale Ave., Chicago 31, Ill.
Syracuse Gauge Co P O Box 51 Manlius N Y
United States Gauge Div. of American Machine & Metals, Inc., Clymer Ave., Sellersville, Pa.
Wallace & Tiernan Inc 25 Main St Belleville 9 N J
Weidenhoff Corp Algona Iowa

GAGES, Gasoline, Auto (Dash Type)

AC Spark Plug The Electronics Div of General Motors 1300 N Dort Highway Flint 2 Mich (Electric)
Electric Auto-Lite Co Toledo 1 Ohio
K-S Telegage—See King Seeley Corp.
King-Seeley Corp., 315 S. First St., Ann Arbor, Mich. "K-S Telegage."
Stewart-Warner Corp Instrument Div 1826 Diversey Parkway Chicago Ill (Electric)
United States Gauge Div. of American Machine & Metals, Inc., Clymer Ave., Sellersville, Pa. (Electric.)

GAGES, Gasoline, Auto (Tank Type)

Boston Auto Gage Co 70 West St Pittsfield Mass "Triumph"
Electric Auto-Lite Co Toledo 1 Ohio
Rochester Mfg. Co., 100 Rockwood St., Rochester 10, N. Y.
Triumph—See Boston Auto Gage Co

GAGES, Height

Cleveland Instrument Co 6220 E Schaaf Rd Cleveland 31 Ohio "Indi-Ac" (Electronic)
Greist Mfg Co 446 Blake St New Haven 15 Conn "Micro-Height"
Indi-Ac—See Cleveland Instrument Co
Merz Engineering Co., 200 S. Harding St., Indianapolis 7, Ind. (Electronic.)
Micro-Height—See Greist Mfg Co
Sheffield Corp 721 Springfield St Dayton 1 Ohio

GAGES, Inspection or Manufacturing

Ames, B. C., 12 Ames St., Waltham 54, Mass.
Comtor Co., 87 Rumford Ave., Waltham, Mass.
Dow Mechanical Corp Thompsonville Conn
Merz Engineering Co., 200 S. Harding St., Indianapolis 7, Ind
Pratt & Whitney Co Charter Oak Blvd West Hartford 1 Conn
Scherr Co., George, 200 Lafayette St., New York, N. Y.
Sheffield Corp., 721 Springfield St., Dayton 1, Ohio
Standard Gage Co Poughkeepsie N Y
Taft-Peirce Mfg. Co., 32 Mechanic Ave., Woonsocket, R. I.
Tubular Micrometer Co St James Minn "Tumico"
Tumico—See Tubular Micrometer Co
Van Keuren Co., 176 Waltham St., Watertown, Mass.

GAGES, Internal Diameter

Davis Gage & Engrg Co A G 21435 Dequindre Rd Hazel Park Mich (Groove)

GAGES, Limit

Air-O-Limit—See Pratt & Whitney Co
Brown & Sharpe Mfg. Co., 235 Promenade St., Providence, R. I.
Dow Mechanical Corp Thompsonville Conn
Electrolimit—See Pratt & Whitney Co
GTD—See Greenfield Tap & Die Div
Greenfield Tap & Die Div United-Greenfield Corp Sanderson St Greenfield Mass "GTD"
Nilco—See Nilsson Gage Products Inc
Nilsson Gage Products Inc Boice Rd Hyde Park N Y "Nilco"
Pratt & Whitney Co Charter Oak Blvd West Hartford 1 Conn "Air-O-Limit" "Electrolimit"
Sheffield Corp 721 Springfield St Dayton 1 Ohio
Standard Gage Co Poughkeepsie N Y
Tubular Micrometer Co St James Minn "Tumico"
Tumico—See Tubular Micrometer Co
Willey's Carbide Tool Co., 1340 W. Vernon Highway, Detroit 1, Mich.

GAGES, Oil Level

Boston Auto Gage Co 70 West St Pittsfield Mass
Bristol Co Waterbury 20 Conn
Electric Auto-Lite Co Toledo 1 Ohio
Gits Bros Mfg Co 1846 S Kilbourn Ave Chicago 23 Ill
Rochester Mfg Co 100 Rockwood St Rochester 10 NY
Stewart-Warner Corp Instrument Div 1826 Diversey Parkway Chicago 14 Ill
Trico Fuse Mfg Co 2948 N 5th St Milwaukee 12 Wis

GAGES, Oil Pressure

AC Spark Plug The Electronics Div of General Motors 1300 N Dort Highway Flint 2 Mich (Mechanical and electric)
Bristol Co Waterbury 20 Conn
Dunn Mfg. Co., 117 15th St., Clarinda, Iowa "Majestic." (For Ford cars.)
Electric Auto-Lite Co Toledo 1 Ohio
K-S Telegage—See King-Seeley Corp.
Kent-Moore Organization Inc 28635 Mound Rd Warren Mich "Rate-Maker"
King-Seeley Corp., 315 S. First St., Ann Arbor, Mich. "K-S Telegage."
Majestic—See Dunn Mfg. Co.
Murphy Mfr Inc Frank W 3131 S Sheridan St Tulsa Okla (With safety switch)
Preferred Electric & Wire Co Bush Terminal Bldg No. 8 Brooklyn 32 N Y
Rate-Maker—See Kent-Moore Organization Inc
Rochester Mfg. Co., 100 Rockwood St., Rochester 10, N. Y.
Schwarze Electric Co., Church St. at Payne Ave., Adrian, Mich. "Teloil." (For Ford cars.)
Snap-On Tools Corp 8046 28th Ave Kenosha Wis
Stewart-Warner Corp Instrument Div 1826 Diversey Parkway Chicago Ill
Teloil—See Schwarze Electric Co.
United States Gauge Div. of American Machine & Metals, Inc., Clymer Ave., Sellersville, Pa.

GAGES, Oil Temperature Indicating

(For indicating the temperature of the lubricating oil)

AC Spark Plug The Electronics Div of General Motors 1300 N Dort Highway Flint 2 Mich (Mechanical and electric)
Bristol Co Waterbury 20 Conn
Stewart-Warner Corp Instrument Div 1826 Diversey Parkway Chicago 14 Ill

GAGES, Piston Pin Fitting

Sunnen Products Co., 7910 Manchester Ave., St. Louis 17 Mo.
Tamco—See Tobin-Arp Mfg Co
Tobin-Arp Mfg Co 6400 Penn Ave S Minneapolis 23 Minn "Tamco"

GAGES, Piston Ring

Burd Piston Ring Co Box 567 Eau Claire Wis
Circle Gauge Co 14339 Bessemer St Van Nuys Calif "Ring-Mike"
Ring Mike—See Circle Gauge Co.

GAGES, Plug and Ring

Besly-Welles Corp 20 N Wacker Dr Chicago 6 Ill
Boice Gages Inc Hyde Park N Y
Brown & Sharpe Mfg. Co., 235 Promenade St., Providence, R. I.
Cadillac Gage Co P O Box 3806 Detroit 5 Mich
Card S W Div Union Twist Drill Co Rumford Ave Mansfield Mass (Thread and cylindrical)
Crafts Co., Arthur A., 603 Newbury St., Kenmore Square, Boston 15, Mass.

Do All Co 254 N Laurel Aves Des Plaines Ill
Du Bo—See Standard Gage Co.
GTD—See Greenfield Tap & Die Div
Greenfield Tap & Die Div United-Greenfield Corp Sanderson St Greenfield Mass "GTD"
HW—See Hanson-Whitney Co
Hanson-Whitney Co 169 Bartholomew Ave Hartford 2 Conn "HW" (Thread)
Hy-Pro Tool Co 461 Mt Pleasant St New Bedford Mass (Thread and plain)
Lincoln Park Industries, Inc., 1719 Ferris Ave., Lincoln Park 25, Mich.
Metal Carbides Corp 107 E Indianola Ave Youngstown 7 Ohio
Nilco—See Nilsson Gage Products Inc
Nilsson Gage Products Inc Boice Rd Hyde Park N Y "Nilco"
Pipe Machinery Co 29100 Lakeland Blvd Wickliffe Ohio
Pratt & Whitney Co Charter Oak Blvd West Hartford 1 Conn "Trilock" "Taperlock"
Republic Gage Co 2228 Fenkell Ave Detroit 38 Mich
Rite-O Tool & Gage Co 321 W Ten Mile Rd Hazel Park Mich
Schrillo Aero Tool Engrg Co 8715 Melrose Ave Los Angeles 46 Calif
Sheffield Corp., 721 Springfield St., Dayton 1, Ohio.
Size Control Co., Div. American Gage & Machine Co., 2500 Washington Blvd., Chicago 12, Ill. (Reversible plug.)
Standard Gage Co Poughkeepsie N Y "Du-Bo"
Swedish Gage Co of America 10641 Haggerty Ave Dearborn 1 Mich
Taft-Peirce Mfg. Co., 32 Mechanics Ave., Woonsocket, R. I.
Taperlock—See Pratt & Whitney Co
Trilock—See Pratt & Whitney Co
Van Keuren Co., 176 Waltham St., Watertown, Mass. (Plug.)
West & Dodge Thread Gage Co., 6 Power House St., South Boston 27, Mass.
Willey's Carbide Tool Co., 1340 W. Vernor Highway, Detroit 1, Mich.
Woodworth Co., N. A., 1300 E. Nine Mile Road, Detroit 20, Mich. (Thread.)

GAGES, PRECISION—See Blocks, Gage

GAGES, Sight

Gits Bros Mfg Co 1846 S Kilbourn Ave Chicago 23 Ill

GAGES, Steam and Air

AC Spark Plug The Electronics Div of General Motors 1300 N Dort Highway Flint 2 Mich (Air pressure)
Boice Gages Inc Hyde Park N Y
Bristol Co Waterbury 20 Conn
CompAirator—See Taft-Peirce Mfg Co
CompUtair—See Taft-Peirce Mfg Co
Federal Products Corp 1144 Eddy St Providence R I (Air dimensional)
Freeland Gauge Co 9940 Freeland Ave Detroit 27 Mich (Air)
Lincoln Engrg Co 4010 Goodfellow Blvd St St Louis 20 Mo (Air)
Stewart-Warner Corp Instrument Div 1826 Diversey Parkway Chicago 14 Ill (Air)
Taft-Peirce Mfg Co 32 Mechanic Ave Woonsocket R I "CompAirator" "CompUtair" (Air)
United States Gauge Div. of American Machine & Metals, Inc., Clymer Ave., Sellersville, Pa.
Velvac Inc 3534 W Pierce St Milwaukee 15 Wis (Air for testing air brakes)

GAGES, Surface

Ames Co., B. C., 12 Ames St., Waltham 54 Mass.
Brown & Sharpe Mfg. Co., 235 Promenade St., Providence, R. I.
Lufkin Rule Co 1730 Hess Ave Saginaw Mich
Millers Falls Co 57 Wells St Greenfield Mass
Standard Gage Co Poughkeepsie N Y
Starret Co L S 1 Crescent St Athol Mass
Tubular Micrometer Co St James Minn "Tumico"
Tumico—See Tubular Micrometer Co

GAGES, TANK—See Gages, Gasoline, Auto (Tank Type); also Gages, Gasoline, Auto (Dash Type)

GAGES, Thickness or Feeler

Akuret—See Kastar, Inc.
Almond—See D'Nomlart Inc
Ames Co., B. C., 12 Ames St., Waltham 54 Mass.
Blackhawk—See New Britain Machine Co
Brown & Sharpe Mfg. Co., 235 Promenade St., Providence, R. I.
Central Tool Co 456 Wellington Ave Cranston 10 R I
Cornwell Quality Tools Co., Mogadore, Ohio.
D'Nomlart Inc 100 Maple St Ashburnham Mass "Almond"
Duro Metal Products Co., 2649 N. Kildare Ave., Chicago 39, Ill.
Federal Products Corp 1144 Eddy St Providence R I (Dial indicator)
Herbrand Div Bingham-Herbrand Corp Lake & Stone Sts Fremont Ohio "Herbrand" "Van Chrome"
Ideal—See Tacony File & Hardware Co.
Kastar Inc 200 Lincoln Ave New York 54 N Y "Akuret" "Precision"
Kent-Moore Organization Inc 28635 Mound Rd Warren Mich "Rate Maker"
Keystone Reamer & Tool Co., Millersburg, Pa.
Klopp Engrg Inc 35551 Schoolcraft St Livonia Mich "Master Tool"
Lincoln Park Industries, Inc., 1719 Ferris Ave., Lincoln Park 25, Mich.
Lufkin Rule Co 1730 Hess Ave Saginaw Mich
Machined Parts Corp., 6209 Hamilton Ave. **Detroit 2, Mich. "Mapco."**
Mapco—See Machined Parts Corp.
Master Tool—See Klopp Engrg Inc
Millers Falls Co 57 Wells St Greenfield Mass
Nasa Tool Mfg Corp 3427 Locust Corner Rd **Amelia Ohio**
National Machine & Tool Co., **4077 Page Ave., Jackson, Mich.**
New Britain Machine Co Hand Tool Div South St New Britain Conn "Blackhawk" & "New Britain"
OTC—See Owatonna Tool Co.
Owatonna Tool Co., 342 N. Cedar St., Owatonna, Minn. **"OTC."**
P & C Hand Forged Tool Co Box 5926 Milwaukie Ore
Precision—See Kastar Inc
Preferred Electric & Wire Co., Bush Terminal Bldg. No. 8, Brooklyn 32, N. Y.
Proto Tools Co 2209 Santa Fe Ave Los Angeles 54 Calif
Quality Tools Corp Railroad St New Wilmington Pa
Rate Maker—See Kent-Moore Organization Inc
Sheffield Corp 721 Springfield St Dayton 1 Ohio
Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis.
Starrett Co L S 1 Crescent St Athol Mass (Also feeler stock)
Tacony File & Hardware Co., **2814 N. Fourth St., Philadelphia 33, Pa. "Ideal."**
Union Tool Co., 48 E. River St., Orange, Mass
Van Chrome—See Herbrand Div., Bingham-Herbrand Corp.
Van Keuren Co., 176 Waltham St., Watertown, Mass.
Wilde Drop Forge & Tool Co., 2936 Fairmount Ave., Kansas City, Mo.
Williams & Co J H 400 Vulcan St Buffalo 7 N Y
Zoerman-Clark Mfg Co 624 N Mechanic St Jackson Mich

GAGES, Thread

Bath & Co, John 10 Mann St Worcester 2 Mass
Besly-Welles Corp 20 N Wacker Dr Chicago 6 Ill
Boice Gages Inc Hyde Park N Y
Brown & Sharpe Mfg. Co., 235 Promenade St., Providence, R. I.
Do All Co 254 N Laurel Ave Des Plaines Ill
Federal Products Corp 1144 Eddy St Providence R I
HW—See Hanson-Whitney Co
Hanson-Whitney Co 169 Bartholomew Ave Hartford 2 Conn "HW"
Keystone Reamer & Tool Co., Millersburg, Pa.
Lufkin Rule Co 1730 Hess Ave Saginaw Mich
Pipe Machinery Co 29100 Lakeland Blvd Wickliffe Ohio
Pratt & Whitney Co Charter Oak Blvd West Hartford 1 Conn
Republic Gage Co 2228 Fenkell Ave Detroit 38 Mich "Republic" "Titan" "V-Nide"
Rite-O Tool & Gage Co 321 W Ten Mile Rd Hazel Park Mich
Rotochek—See Taft-Peirce Mfg Co
Sheffield Corp., 721 Springfield St., Dayton, Ohio.
Size Control Co., Div. American Gage & Machine Co., 2500 Washington Blvd., Chicago 12, Ill. (Reversible.)
Starrett Co L S 1-165 Crescent St Athol Mass
Taft-Peirce Mfg. Co., 32 Mechanic Ave., Woonsocket R I "Rotochek"
Titan—See Republic Gage Co
Tubular Micrometer Co St James Minn "Tumico"
Tumico—See Tubular Micrometer Co
Union Tool Co., 48 E. River St., Orange, Mass.
V-Nide—See Republic Gage Co
Van Keuren Co., 176 Waltham St., Watertown, Mass. (Wires.)
West & Dodge Thread Gage Co., 6 Power House St., South Boston 27, Mass.

GAGES, Tire Pressure (Hand)

(See also Gages, Chuck [Tire Inflating])

Acme Air Appliance Co 205 Newman St Hackensack N J
Bridgeport Brass Co 30 Grand St Bridgeport 2 Conn
Diamond-U Products 8459 Dearborn Ave South Gate Calif
Dill Mfg Co 700 E 82nd St Cleveland 3 Ohio
Druge Bros Mfg Co 888 92nd Ave Oakland 3 **Calif "Tru-Flate" (Sole distributors Tru-Flate Inc 888 92nd Ave Oakland 3 Calif)**
Fisher Products Corp A R 21-21 44th Dr Long Island City 1 N Y
G M Co Mfg Inc 13-08 43rd Ave Long Island City, L. I., N. Y.
Hand-D—See Syracuse Gauge Co
Schrader's Son, Div. of Scovill Mfg. Co., A., **470 Vanderbilt Ave., Brooklyn 38, N. Y.**
Syracuse Gauge Co P O Box 51 Manlius N Y "Hand-D"
Tru-Flate—See Druge Bros. Mfg. Co.
United States Gauge Div of American Machine and Metals Inc Clymer Ave Sellersville Pa

GAGES, TOOLMAKERS' — See Instruments, Precision Measuring for Toolrooms

GAGES, Torque

Sturtevant Co P A Addison Ill
Waters Mfg Inc Boston Post Rd Wayland Mass

GAGES, VACUUM—See Gages, Engine Vacuum

GAGES, Valve Clearance

Cedar Rapids Engrg Co 902 N 17th St Cedar Rapids Ia "Kwik-Way"
Clayborne Mfg Co 429 N Main St Monticello Ind
Kwik-Way—See Cedar Rapids Engrg Co
National Machine & Tool Co 4077 Page Ave Jackson Mich
P & G Mfg Co 5 N Mason St Portland 17 Ore "P & G Valve-Gapper"
Tobin-Arp Mfg Co 6400 Penn Ave S Minneapolis 23 Minn

GAGES, Vernier Height

Brown & Sharpe Mfg Co 235 Promenade **St Providence 1 R I**
Chesterman—See George Scherr Co.
Lufkin Rule Co 1730 Hess Ave Saginaw Mich
Scherr Co George 200 Lafayette St **New York 12 N Y "Chesterman"**
Starret Co 1-165 Crescent St Athol Mass
Tubular Micrometer Co St James Minn "Tumico"
Tumico—See Tubular Micrometer Co

GAGES, Water Temperature Indicating

(For attachment to radiator cap or dash to show temperature of cooling water)

AC Spark Plug The Electronics Div of General Motors 1300 N Dort Highway Flint 2 Mich (Mechanical and electric)
Electric Auto-Lite Co Toledo 1 Ohio
King-Seeley Corp., 315 S. First St., Ann Arbor, Mich.
Murphy Mfr Inc Frank W 3131 S Sheridan St Tulsa Okla (With safety switch)
Rochester Mfg. Co., 100 Rockwood St., **Rochester 10, N. Y.**
Stewart-Warner Corp Instrument Div 1826 Diversey Parkway Chicago Ill
United States Gauge Div. of American Machine & Metals, Inc., Clymer Ave., Sellersville, Pa.

GAGES, Wheel and Axle Aligning

Bean Div Food Machinery & Chemical Corp John 1305 S Cedar St Lansing 4 Mich

GAGES, Wheel and Axle Aligning — continued

Bear Mfg Co 21st St & Fifth Ave Rock Island Ill
Bee-Line Co., Box 569, Davenport, Iowa.
Bender Equipment Co J H 5430 Tweedy Blvd South Gate Calif
Bennett-Feragen 1408 Jerome St Niles Mich
Cornwell Quality Tools Co., Mogadore, Ohio "Cornwell-Krumm."
Dyn-A-Lyzer—See Manbee Equip Div Bear Mfg Co
Hunter Engrg Co Hunter Ave & Ladue Rd St Louis 24 Mo "Lite-A-Line" (Wheel)
Kent-Moore Organization Inc 28635 Mound Rd Warren Mich "Rate-Maker"
Kwik-Ezee Inc 54 Brooklyn Ave Westbury N Y (Magnetic)
Lite-A-Line—See Hunter Engrg Co
Manbee Equipment Div Bear Mfg Co P O Box 607 Rock Island Ill "Dyn-A-Lyzer"
Merrill Axle & Wheel Service 12th & Acoma Sts Denver 4 Colo
Mesco Products 1131 Main St Crete Nebr
Rate-Maker—See Kent-Moore Organization Inc
Snap-On Tools Corp 8046 28th Ave Kenosha Wis
Weaver Mfg Co 2177 S Ninth St Springfield Ill
Zoerman-Clark Mfg. Co., Jackson, Mich.

GAGES, WIRE—See Gages, Drill and Wire

GALVANIZING MACHINES — See Machines, Galvanizing

GALVANIZING, SHERARDIZING and RUSTPROOFING

Clapp Mfg. Co., E. D., 305 W. Genesee St., Auburn, N. Y. (Galvanizing.)
Parker Rust Proof Co 2177 E Milwaukee Ave Detroit 11 Mich (Bonderizing and parkerizing)
Rust-Proofing & Metal Finishing Corp., 75 Commercial Ave., Cambridge, Mass. (Bonderizing, parkerizing and rust-proofing.)
United Platers Inc 3456 Denton Ave Detroit 11 Mich (Rust-proofing)

GANG DRILLS—See Machines, Drilling (Multiple Spindle)

GAS, Acetylene (In Cylinders and Tanks)

(For acetylene welding)

Airco—See Air Reduction Sales Co
Air Reduction Sales Co Socony-Mobile Bldg 150 E 42nd St New York 17 N Y "Airco" "Pureco"
Burdett Oxygen Co of Cleveland Inc 3300 Lakeside Ave Cleveland 14 Ohio "Burdox"
Burdox—See Burdett Oxygen Co. of Cleveland, Inc.
General Dynamics Corp Liquid Carbonic Div 135 S La Salle St Chicago 5 Ill (Cylinders)
Linde Co 30 E 42nd St New York 17 N Y "Prest-O-Lite" (Cylinders)
NCG—See National Cylinder Gas Div
National Cylinder Gas Div of Chemetron Corp 840 N Michigan Ave Chicago 11 Ill "NCG" (Cylinders)
Prest-O-Lite—See Linde Co
Pureco—See Air Reduction Sales Co

GAS, Hydrogen (In Cylinders and Tanks)

Air Reduction Sales Co Socony-Mobil Bldg 150 E 42nd St N Y 17 N Y
Burdett Oxygen Co. of Cleveland, Inc., 3300 Lakeside Ave., Cleveland 14, Ohio.
General Dynamics Corp Liquid Carbonic Div 135 S La Salle St Chicago 5 Ill (Cylinders)
Linde Co 30 E 42nd St New York 17 N Y
NCG— See National Cylinder Gas Div
National Cylinder Gas Div of Chemetron Corp 840 N Michigan Ave Chicago 11 Ill "NCG" (Cylinders)

GAS, Oxygen (In Cylinders and Tanks)

(For oxy-acetylene welding)

Airco—See Air Reduction Sales Co
Air Reduction Sales Co Socony-Mobil Bldg 150 E 42nd St New York 17 N Y "Airco"
Burdett Oxygen Co of Cleveland Inc 3300 Lakeside Ave Cleveland 14 Ohio
General Dynamics Corp Liquid Carbonic Div 135 S La Salle St Chicago 5 Ill (Cylinders)
Linde Co 30 E 42nd St New York 17 N Y
NCG—See National Cylinder Gas Div
National Cylinder Gas Div of Chemetron Corp 840 N Michigan Ave Chicago 11 Ill "NCG" (Cylinders)

GAS FURNACES—See Furnaces, Gas

GASKET CUTTERS—See Cutters, Washer and Gasket

GASKET MAKING PASTE—See Paste, Gasket Making

GASKETS, Asbestos

Accopac—See Armstrong Cork Co
Acme Mfg & Gasket Co 738 N 41st St Philadelphia 4 Pa
Anchor Packing Co., 401 N. Broad St., Philadelphia 8, Pa.
Armstrong Cork Co Industrial Div 7011 Imperial Ave Lancaster Pa "Accopac"
Asbeston—See Auburn Mfg Co
Auburn Mfg. Co., Pease Ave. & Stack St., Middletown, Conn. "Asbeston."
Beaverite Products Inc Beaver Falls N Y
Burgess Leather Co., A. E., Brigham Hill Rd. Grafton, Mass.
Chambers Gasket & Mfg Co 4701 W Rice St Chicago 51 Ill "Superbestos"
Cleveland Gasket & Mfg. Co., 1610 W. 116th St., Cleveland 2, Ohio.
Congress—See Consolidated Packing & Supply Co
Consolidated Packing & Supply Co 37-39 Murray St N Y 7 N Y "Primrose" "Consolco" "Congress" "Senate"
Consolco—See Consolidated Packing & Supply Co.
Cooper Mfg. Co., 411 S. First Ave., Marshalltown, Iowa. "Cooperbes."
Darcoid Co., 145 Sixth Ave., New York 13, N. Y. "Dominion."
Dee-Gee—See Detroit Gasket & Mfg Co
Detroit Gasket & Mfg Co 12640 Burt Rd Detroit 23 Mich "Dee-Gee"
Dominion—See Darcoid Co.
Duroid—See Rogers Corp
Excelsior Leather Washer Mfg Co 720 Chestnut St Rockford Ill "X-L"
Farnam Co F D 4940 Flournoy St Chicago 44 Ill "Kaobestos"
Felt Products Mfg Co 7450 N McCormick Blvd Skokie Ill "Wirepak"
Fitzgerald Mfg. Co., 691 Main St., Torrington, Conn.
Garlock Packing Co., 402 Main St., Palmyra, N. Y.
Gasket Engrg Co 3125 Wyandotte St Kansas City 11 Mo
Gasket Packing & Specialty Co 41 N Saxon Ave Bay Shore L I N Y
Greene, Tweed & Co., North Wales, Pa "Palmetto."
J-M—See Johns-Manville
Johns-Manville 22 E 40th St New York 16 N Y "J-M"
Kaobestos—See F D Farnam Co
Keystone Gasket Mfg. Co., 833 N. Fourth St., Philadelphia, Pa.
Meirath Supply & Gasket Co., Tioga & Memphis Sts., Philadelphia 34, Pa.
Mitchell & Smith Div., Sheller Mfg. Corp., **8900 Hampton Blvd., Norfolk 5, Va.**
Palmetto—See Greene, Tweed & Co.
Primrose—See Consolidated Packing & Supply Co.
R/M—See Raybestos-Manhattan Inc
R/N—See Raybestos-Manhattan Inc
Raybestos-Manhattan Inc General Asbestos & Rubber Div North Charleston S C
Raybestos-Manhattan Inc Packing Div 61 Willet St Passaic N J "R/M"
Raybestos-Manhattan Inc Plastic Products Div Manheim Pa "R/N" (Asbestos and Teflon)
Rhopac Inc 3425 Cleveland St Skokie Ill
Rogers Corp Rogers Conn "Duroid"
Senate—See Consolidated Packing & Supply Co
Superbestos—See Chambers Gasket & Mfg. Co.
United Packing & Gasket Engrg Corp 5111 Ogden Ave Cicero 50 Ill
Velbestos—See Vellumoid Co.
Vellumoid Co 54 Rockdale St Worcester 6 Mass "Velbestos" "Wirebestos" (Wire woven)
Wirebestos—See Vellumoid Co.
Wirepak—See Felt Products Mfg. Co.
Wisconsin Gasket & Mfg. Co., 8724 N. Granville Rd., Granville, Wis.
X-L—See Excelsior Leather Washer Mfg Co

GASKETS, COMPOSITION—See Paste, Gasket Making

GASKETS, Copper

Acme Mfg. & Gasket Co., 738 N. 41st St., Philadelphia 4, Pa.
Auburn Mfg. Co., Pease Ave. & Stack St., Middletown, Conn.
Cleveland Gasket & Mfg. Co., 1610 W. 116th St., Cleveland 2, Ohio.
Coppermoid—See Vellumoid Co
Fitzgerald Mfg. Co., 691 Main St., Torrington, Conn.
Gasket Packing & Specialty Co 41 N Saxon Ave Bay Shore L I N Y
Keystone Gasket Mfg. Co., 833 N. Fourth St., Philadelphia 23, Pa.
Meirath Supply & Gasket Co., Tioga & Memphis Sts., Philadelphia 34, Pa.
Press Work Inc Lead Alloy Products Div 9100 Roselawn Ave Detroit 4 Mich
United Packing & Gasket Engrg Corp 5111 Ogden Ave Cicero 50 Ill
Vellumoid Co 54 Rockdale St Worcester 6 Mass "Coppermoid"
Victor Mfg. & Gasket Co., 5750 W. Roosevelt Rd., Chicago 50, Ill.

GASKETS, Copper-Asbestos

Acme Mfg. & Gasket Co., 738 N. 41st St., Philadelphia 4, Pa.
Felt Products Mfg Co 7450 N McCormick Blvd Skokie Ill
Fitzgerald Mfg Co 691 Main St Torrington Conn
Garlock Packing Co 402 Main St Palmyra N Y
Gasket Packing & Specialty Co 41 N Saxon **Ave Bay Shore L I N Y**
Keystone Gasket Mfg. Co., 833 N. Fourth St., Philadelphia 23, Pa.
McCord Corp Riopelle at E Grand Blvd Detroit 11 Mich "McKim"
McKim—See McCord Corp.
Meirath Supply & Gasket Co., Tioga & Memphis Sts., Philadelphia 34, Pa.
Sure-Rite—See Warehouse Dist Co
United Packing & Gasket Engrg Corp 5111 Ogden Ave Cicero 50 Ill
Victopac—See Victor Mfg & Gasket Co
Victor Mfg. & Gasket Co., 5750 W. Roosevelt Rd., **Chicago 50, Ill. ("Victor;" "Victopac." Asbestos-copper-rubber.)**
Warehouse Distributing Co 3810 N 19th St Philadelphia 40 Pa "Sure-Rite"

GASKETS, Cork

Acme Mfg. & Gasket Co., 738 N. 41st St., Philadelphia 4, Pa
Alco—See Alloy Mfg Co
Alloy Mfg. Co., 3207 S. Shields Ave., Chicago **16, Ill. "Alco," "Alloy," "Quality Built."**
Armstrong Cork Co Industrial Div 7011 Imperial Ave Lancaster Pa (Cork and rubber composition)
Auburn Mfg. Co., Pease Ave. & Stack St., Middletown, Conn.
Automotive Products Div Crotty Corp 39 E Chicago Ave Quincy Mich
Carrocork—See Felt Products Mfg. Co.
Chambers Gasket & Mfg Co 4701 W Rice St Chicago 51 Ill "Durocork" "Supercork"
Chicago Cork Works Co 6001 Gross Point Rd Niles Ill
Cleveland Gasket & Mfg. Co., 1602 W. 116th St., Cleveland 2, Ohio.
Cooper Mfg. Co., 411 S. First Ave., Marshalltown, Iowa.
Cranz Co J M 2671 Main St Buffalo 14 N Y
Dee-Gee—See Detroit Gasket & Mfg Co
Detroit Gasket & Mfg Co 12640 Burt Rd Detroit 23 Mich "Dee-Gee"
Durocork—See Chambers Gasket & Mfg. Co.
Excelsior Leather Washer Mfg Co 720 Chestnut St Rockford Ill "X-L"
Farnam Co F D 4940 Flournoy St Chicago 44 Ill "Kaokork"
Felcoid—See Felt Products Mfg. Co
Fel-Pro—See Felt Products Mfg. Co.
Felt Products Mfg Co 7450 N McCormick Blvd Skokie Ill "Fel-Pro" "Carrocork" "Felcoid"
Fitz-Cork—See Fitzgerald Mfg. Co.
Fitzgerald Mfg. Co., 691 Main St., Torrington, Conn. "Fitz-Cork."
Garlock Packing Co., 402 Main St., Palmyra, N. Y.
Gasket Engrg Co 3125 Wyandotte St Kansas City 11 Mo
Gasket Packing & Specialty Co 41 N Saxon **Ave Bay Shore L I N Y**
Hy-Cork—See Wolverine Fabricating & Mfg Co
Jointite—See Mundet Cork Corp.
Kaokork—See F D Farnam Co
Keystone Gasket Mfg. Co., 833 N. Fourth St., Philadelphia 23, Pa.
McCord Corp Riopelle at E Grand Blvd Detroit 11 Mich
Meirath Supply & Gasket Co., Tioga & Memphis Sts., Philadelphia 34, Pa.
Mitchell & Smith Div. Sheller Mfg. Corp., 8900 Hampton Ave., Norfolk 5, Va.
Mundet Cork Corp., 7101 Tonnelle Ave., North Bergen, N. J. "Jointite."
Neo-Cork—See Wolverine Fabricating & Mfg Co

Philadelphia Gasket & Mfg. Co., F & Atlantic Sts., Philadelphia 34, Pa.
Quality Built—See Alloy Mfg. Co.
Rhopac Inc 3425 Cleveland St Skokie Ill
Rub-Cork—See Wolverine Fabricating & Mfg Co
Supercork—See Chambers Gasket & Mfg. Co.
Sure-Rite—See Warehouse Dist Co
Sutherland Leather & Felt Co 743 **Beaubien** St Detroit 26 Mich
United Packing & Gasket Engrg Corp 5111 Ogden Ave Cicero 50 Ill
Warehouse Distributing Co 3810 N 19th St Philadelphia 40 Pa "Sure-Rite"
Wisconsin Gasket & Mfg. Co., 8724 N. Granville Rd., Granville, Wis
Wolverine Fabricating & Mfg Co 2638 Princess Ave Inkster Mich "Hy-Cork" "Neo-Cork" "Rub-Cork"
X-L—See Excelsior Leather Washer Mfg Co

GASKETS, Cylinder Head (For Diesel Engines)

Detroit Gasket & Mfg Co 12640 Burt Rd Detroit 23 Mich "Dee-Gee" "Twin-Type Steelbestos"

GASKETS, Felt

Afco—See American Felt Co
American Felt Co Glenville Conn "Afco" "Vistex"
Continental Felt Co 22 W 15 St N Y 11 N Y
Cranz Co J M 2671 Main St Buffalo 14 N Y
Vistex—See American Felt Co

GASKETS, Fibrous or Fibre

Accopac—See Armstrong Cork Co
Acme Mfg. & Gasket Co., 738 N. 41st St., Philadelphia 4, Pa.
Algco—See Auburn Mfg Co
Anchor Packing Co., 401 N. Broad St., Philadelphia 8, Pa
Armstrong Cork Co Industrial Div 7011 Imperial Ave Lancaster Pa "Accopac"
Auburn Mfg. Co., Pease Ave. & Stack St., Middletown, Conn. "Algco"
Beaverite Products Inc Beaver Falls N Y
Brandywine Fibre Products Co 15th & Poplar Sts Wilmington Del
Burgess Leather Co., A. E., Brigham Hill Rd., Grafton, Mass.
Chambers Gasket & Mfg Co 4701 W Rice St Chicago 51 Ill "Super-Pak"
Circle Z RFD No 2 Pomfret Center Conn
Cleveland Gasket & Mfg. Co., 1602 W. 116th St., Cleveland 2, Ohio.
Consolidated Packing & Supply Co 37-39 Murray St N Y 7 N Y "Wisoid"
Continental-Diamond Fibre Corp Newark 2 Del "Diamond"
Cooper Mfg. Co., 411 S. First Ave., Marshalltown, Iowa. "Gaskoid," "Korkite."
Cranz Co J M 2671 Main St Buffalo 14 N Y
Dee-Gee—See Detroit Gasket & Mfg Co
DeLoid—See Detroit Gasket & Mfg. Co.
Detroit Gasket & Mfg Co 12640 Burt Rd Detroit 23 Mich "DeLoid" "Korkoid" "Springoid" "Dee-Gee"
Diamond—See Continental - Diamond Fibre Corp
Duroid—See Rogers Corp
Excelsior Leather Washer Mfg Co 720 Chestnut St., Rockford Ill. "X-L."
Farnam Co F D 4940 Flournoy St Chicago 44 Ill "Packitite" "Shurpak"
Felcoid—See Felt Products Mfg Co
Felt Products Mfg Co 7450 N McCormick Blvd Skokie Ill "Felcoid" "Karropak"
Ferropac—See Victor Mfg. & Gasket Co.
Fitzgerald Mfg Co 691 Main St Torrington Conn "Fitz-Rite"
Fitz-Rite—See Fitzgerald Mfg Co
Garlock Packing Co., 402 Main St., Palmyra, N. Y.
Gasket Packing & Specialty Co 41 N **Saxon** Ave Bay Shore L I N Y
Gaskoid—See Cooper Mfg. Co.
Karropak—See Felt Products Mfg. Co.
Keystone Gasket Mfg. Co., 833 N. Fourth St., Philadelphia 23, Pa.
Korkite—See Cooper Mfg. Co
Korkoid—See Detroit Gasket & Mfg. Co.
Latex Fiber Industries Inc Beaver Falls N Y
M & S—See Mitchell & Smith Div., Sheller Mfg. Corp
Melrath Supply & Gasket Co., Tioga & Memphis Sts., Philadelphia 34, Pa.
Mitchell & Smith Div., Sheller Mfg. Corp. **8900 Hampton Blvd, Norfolk 5, Va. "M & S."**
Packitite—See F D Farnam Co
Penn Fibre & Specialty Co 2024 E Westmoreland St Philadelphia 34 Pa
Philadelphia Gasket & Mfg. Co., F & Atlantic Sts., Philadelphia 34, Pa.
Presstite-Keystone Engrg Products Co 2900 Chouteau St St Louis 10 Mo
Rogers Corp Rogers Conn "Duroid"
Shurpak—See F D Farnam Co
Springoid—See Detroit Gasket & Mfg Co
Super-Pak—See Chambers Gasket & Mfg. Co.
Sure-Rite—See Warehouse Dist Co
Taylor Fibre Co Norristown 49 Pa (Fibre)
United Packing & Gasket Engrg Corp 5111 Ogden Ave Cicero 50 Ill
Vellumoid Co., 54 Rockdale St., Worcester 6 Mass. "Velbuna," "Vellumoid," "Vellutex."
Vellutex—See Vellumoid Co.
Victor Mfg. & Gasket Co., 5750 W. Roosevelt Rd., Chicago 50, Ill. "Victorite," "Ferropac" & "Victolex"
Victolex—See Victor Mfg & Gasket Co
Victorite—See Victor Mfg. & Gasket Co.
Vulkol—See Wolverine Fabricating & Mfg Co
Warehouse Distributing Co 3810 N 19th St Philadelphia 40 Pa "Sure-Rite"
Wilmington Fibre Specialty Co New Castle Del
Wisconsin Gasket & Mfg Co., **8724A N.** Granville Rd., Granville, Wis.
Wisoid—See Consolidated Packing & Supply Co.
Wolverine Fabricating & Mfg Co 2638 Princess Ave Inkster Mich "Vulkol"
X-L—See Excelsior Leather Washer Mfg. Co.

GASKETS, Flexible Metallic

Acme Mfg. & Gasket Co., 738 N. 41st St., Philadelphia 4, Pa.
Consolidated Packing & Supply Co 37-39 Murray St N Y 7 N Y
Dee-Gee—See Detroit Gasket & Mfg Co
Detroit Gasket & Mfg Co 12640 Burt Rd Detroit 23 Mich "Steelbestos" "Twin-Type Steelbestos" "Dee-Gee"
Felt Products Mfg Co 7450 N McCormick Blvd Skokie Ill
Fitzgerald Mfg. Co., 691 Main St., Torrington, Conn.
Gasket Packing & Specialty Co 41 N Saxon Ave Bay Shore L I N Y
Melrath Supply & Gasket Co., Tioga & Memphis Sts., Philadelphia 34, Pa.
Philadelphia Gasket & Mfg. Co., F & Atlantic Sts., Philadelphia 34, Pa
Steelbestos—See Detroit Gasket & Mfg. Co
Twin-Type Steelbestos—See Detroit Gasket & Mfg. Co.
United Packing & Gasket Engrg Corp 5111 Ogden Ave Cicero 50 Ill
Victor Mfg. & Gasket Co., 5750 W. Roosevelt Rd., Chicago 50, Ill.
Wisconsin Gasket & Mfg Co 8724 N Granville Rd Granville Wis

GASKETS, HARD FIBRE—See Fibre, Hard

GASKETS, Lead and Lead Alloy

Acme Mfg. & Gasket Co., 738 N. 41st St., Philadelphia 4, Pa.
Auburn Mfg. Co., Pease Ave. & Stack St., Middletown, Conn.
Belmont Smelting & Refining Works, 326a Belmont Ave., Brooklyn, N. Y.
Cleveland Gasket & Mfg. Co., 1610 W. 116th St., Cleveland 2, Ohio.
Divco—See Division Lead Co
Division Lead Co 7742 W 61st Pl Summit Ill "Divco"
Freeway Washer & Stamping Co P O Box 1756 Cleveland 5 Ohio (Lead)
Gasket Packing & Specialty Co 41 N Saxon Ave Bay Shore L I N Y
Keystone Gasket Mfg. Co., 833 N. Fourth St., Philadelphia 23, Pa.
Melrath Supply & Gasket Co., Tioga & Memphis Sts., Philadelphia 34, Pa.
Press Work Inc Lead Alloy Products Div 9100 Roselawn Ave Detroit 4 Mich
Superior Wrought Washer 1951 W 90th St Cleveland 2 Ohio **(Lead)**
United Packing & Gasket Engrg Corp 5111 Ogden Ave Cicero 50 Ill
Victor Mfg & Gasket Co 5750 W Roosevelt Rd Chicago 5 Ill
Wisconsin Gasket & Mfg Co 8724 N Granville Rd Granville Wis
Wrought Washer Mfg Co 2107 S Bay St Milwaukee 7 Wis

GASKETS, Leather

Acme Mfg. & Gasket Co., 738 N. 41st St., Philadelphia 4, Pa.
Alco—See Alloy Mfg Co
Alloy Mfg Co 3207 S Shields Ave Chicago 16 Ill **"Alco" "Alloy" "Quality Built"**
Auburn Mfg. Co., Pease Ave. & Stack St., Middletown, Conn.
Backstay Welt Co., Oak & Howard Sts., Union City, Ind.
Burgess Leather Co., A. E. Brigham Hill Rd., Grafton, Mass.
Chicago-Allis Mfg Corp 113 N Green St Chicago 7 Ill "Reliance"
Consolidated Packing & Supply Co **37-39** Murray St N Y 7 N Y
Excelsior Leather Washer Mfg. Co., 720 Chestnut St., Rockford, Ill. "X-L."
Felt Products Mfg Co 7450 N McCormick **Blvd Skokie Ill**
Fitzgerald Mfg. Co., 691 Main St., Torrington, Conn.
Garlock Packing Co., 402 Main St., Palmyra, N. Y.
Gasket Packing & Specialty Co **41 N Saxon** Ave Bay Shore L I N Y
Graton & Knight Co., 356 Franklin St., Worcester 4, Mass.
Houghton & Co E F 303 W Lehigh Ave Philadelphia 33 Pa "Vim"
Keystone Gasket Mfg. Co., 833 N. Fourth St., Philadelphia 23, Pa.
Krug Co North St Barnum Cou't **Danbury** Conn
Marsh Co., Charles W., 32 Hudson St., Muskegon, Mich.
Melrath Supply & Gasket Co., Tioga & Memphis Sts., Philadelphia 34, Pa.
Quality Built—See Alloy Mfg Co
Reliance—See Chicago-Allis Mfg Corp
Sutherland Leather & Felt Co 743 **Beaubien** St., Detroit 26, Mich.
United Packing & Gasket Engrg Corp 5111 Ogden Ave Cicero 50 Ill
Vim—See E F Houghton & Co
Warren Belting Co., 33 Arctic St., Worcester 8, Mass.
Wisconsin Gasket & Mfg. Co., 8724 N. **Granville Rd., Granville, Wis.**
X-L—See Excelsior Leather Washer Mfg. Co.

GASKETS, Paper

Acme Mfg. & Gasket Co., 738 N. 41st St., Philadelphia 4, Pa.
Anchor Packing Co., 401 N. Broad St., Philadelphia 8, Pa. "Ankorite."
Ankorite—See Anchor Packing Co.
Auburn Mfg. Co., Pease Ave. & Stack St., Middletown, Conn.
Automotive Products Div Crotty Corp **35 E** Chicago Ave Quincy Mich "YankeePak"
Beaverite Products Inc Beaver Falls **N Y**
Chambers Gasket & Mfg Co 4701 W Rice St Chicago 51 Ill "Super-Paper"
Circle Z RFD #2 Pomfret Center Conn
Cleveland Gasket & Mfg. Co., 1610 W. 116th St., Cleveland 2, Ohio.
Cooper Mfg. Co., 411 S. First Ave., Marshalltown, Iowa.
Dee-Gee—See Detroit Gasket & Mfg Co
Detroit Gasket & Mfg Co 12640 Burt Rd Detroit 23 Mich "Dee-Gee"
Duroid—See Rogers Corp
Excelsior Leather Washer Mfg. Co., 720 Chestnut St., Rockford, Ill. "X-L."
Felt Products Mfg Co 7450 N McCormick Blvd Skokie Ill
Fitzgerald Mfg. Co., 691 Main St., Torrington, Conn. "Fitz-Rite."
Fitz-Rite—See Fitzgerald Mfg. Co.
Fyberoid—See Wilmington Fibre Specialty Co
Garlock Packing Co., 402 Main St., Palmyra, N. Y.
Gasket Engrg Co 3125 **Wyandotte** St Kansas City 11 Mo
Gasket Packing & Specialty Co 41 N Saxon Ave Bay Shore L I N Y
J-M—See Johns-Manville
Johns-Manville 22 E 40th St **New York 16 N Y "J-M"**
Keystone Gasket Mfg. Co., 833 N. Fourth St., Philadelphia 23, Pa.
Kuehn Co N L 3747 N Booth St Milwaukee 12 Wis
Lo-Tork—See Wolverine Fabricating & Mfg Co
M & S—See Mitchell & Smith Div., Sheller Mfg. Corp.
Melrath Supply & Gasket Co., Tioga & Memphis Sts., Philadelphia 34, Pa.
Mitchell & Smith Div., Sheller Mfg. Corp. **8900 Hampton Blvd., Norfolk 5, Va. "M & S."**
Oillok—See Victor Mfg & Gasket Co
Rhopac Inc 3425 Cleveland St Skokie Ill
Rogers Corp Goodyear Conn "Duroid"
Super-Paper—See Chambers Gasket & Mfg Co
Sure-Rite—See Warehouse Dist Co
United Packing & Gasket Engrg Corp 5111 **Ogden Ave Cicero 50 Ill**
Vellumoid Co., 54 Rockdale St., Worcester 6, Mass.
Victor Mfg. & Gasket Co., 5750 W. Roosevelt Rd Chicago 50 Ill ("Victor" "Oillok" "Victorite" Treated paper)
Warehouse Distributing Co 3810 N 19th St Philadelphia 40 Pa "Sure-Rite"
Wilmington Fibre Specialty Co New Castle Del "Fyberoid"
Wisconsin Gasket & Mfg. Co., 8724 N. Granville Rd., Granville, Wis.

GASKETS, Paper—continued

Wolverine Fabricating & Mfg Co 2638 Princess Ave Inkster Mich "Lo-Tork" (Synthetic rubber impregnated)
X-L—See Excelsior Leather Washer Mfg. Co.
YankeePak—See Automotive Products Div Crotty Corp

GASKETS, RUBBER—See Packing, Rubber

GASKETS, SOLDER—See Gaskets, Lead and Lead Alloy

GASKETS, Steel-Asbestos

Consolidated Packing & Supply Co 37-39 Murray St N Y 7 N Y
Cooper Mfg. Co., 411 S. First Ave., Marshalltown, Iowa. "Ferrobes."
Corbestos—See Victor Mfg. & Gasket Co
Dee-Gee—See Detroit Gasket & Mfg Co
Detroit Gasket & Mfg Co 12640 Burt Rd Detroit 23 Mich "Steelbestos" "Dee-Gee"
Felt Products Mfg Co 7450 N McCormick Blvd Skokie Ill
Ferrobes—See Cooper Mfg. Co.
Fitzgerald Mfg. Co., 691 Main St., Torrington, Conn.
Gasket Packing & Specialty Co 41 N Saxon Ave Bay Shore L I N Y
McCord Corp Riopelle at E Grand Blvd Detroit 11 Mich
Meirath Supply & Gasket Co., Tioga & Memphis Sts., Philadelphia 34, Pa.
Steelbestos—See Detroit Gasket & Mfg. Co.
Sure-Rite—See Warehouse Dist Co
United Packing & Gasket Engrg Corp 5111 Ogden Ave Cicero 50 Ill
Victor Mfg. & Gasket Co., 5750 W. Roosevelt Rd., Chicago, Ill. "Corbestos," "Victorcor."
Warehouse Distributing Co 3810 N 19th St Philadelphia 40 Pa "Sure-Rite"
Wisconsin Gasket & Mfg Co 8724 Granville Rd Granville Wis

GASKETS, Synthetic Material

Acadia Div Western Felt Works 4115 W Ogden Ave Chicago 23 Ill
Acme Mfg. & Gasket Co., 738 N. 41st St., Philadelphia 4, Pa.
Armstrong Cork Co., Industrial Div., Lancaster, Pa. (Cork-rubber.)
Auburn Mfg Co Pease Ave & Stack St Middletown Conn.
Automotive Products Div Crotty Corp 39 E Chicago Ave Quincy Mich (Rubber)
Baldwin Rubber Co 366 S Blvd E Pontiac Mich
Beaverite Products Inc Beaver Falls N Y
Buckeye Rubber Products Inc 637 N Jackson St Lima Ohio
Canfield Co H O 191 Housatonic Ave Bridgeport 1 Conn (Silicone)
Chambers Gasket & Mfg Co 4701 W Rice St Chicago 51 Ill
Chicago Rawhide Mfg Co 1301 Elston Ave Chicago 22 Ill
Crane Packing Co 6435 Oakton St Morton Grove Ill "John Crane"
Cranz Co J M 2671 Main St Buffalo 14 N Y
Dee-Gee—See Detroit Gasket & Mfg Co
Detroit Gasket & Mfg Co 12640 Burt Rd Detroit 23 Mich "Dee-Gee" (Rubber)
Duroid—See Rogers Corp
Farnam Co F D 4940 Flournoy St Chicago 44 Ill "Kaopak"
Fel-Pro—See Felt Products Mfg. Co.
Felt Products Mfg Co 7450 N McCormick Blvd Skokie Ill "Fel-Pro"
Flexrock Co Packing Div 36th & Filbert Sts Philadelphia 4 Pa.
Garlock Packing Co 402 Main St Palmyra N Y (Teflon O-rings)
Gasgatape—See Porter Mfg. & Supply Co.
Gasket Engrg Co 3125 Wyandotte St Kansas City 11 Mo (Rubber and fiberglass)
International Packing Corp Lake St Bristol N H (Rubber)
John Crane—See Crane Packing Co
Johnson Rubber Co Middlefield Ohio
Kaopak—See F D Farnam Co
Manhattan—See Raybestos-Manhattan, Inc., Manhattan Rubber Div.
Meirath Supply & Gasket Co., Tioga & Memphis Sts., Philadelphia 34, Pa.
Mitchell & Smith Div., Sheller Mfg. Corp. 8900 Hampton Blvd., Norfolk 5, Va. (Rubber.)
Polymer Corp 2120 Fairmont Ave Reading Pa "Polypenco" (Nylon and teflon)
Polypenco—See Polymer Corp
Porter Mfg & Supply Co 2836 Sunset Blvd Los Angeles 26 Calif "Gasgatape"
Raybestos-Manhattan, Inc., Manhattan Rubber Div., 61 Willet St., Passaic, N. J. "Manhattan."
Roberts Toledo Rubber Co 4143 Monroe St Toledo 13 Ohio
Rodic Chemical & Rubber Corp Allen Ave New Brunswick N J
Rogers Corp Rogers Conn "Duroid"
Standard Products Co 2130 W 110th St Cleveland 2 Ohio
Tri-Point Plastics Inc 175 I U Willets Rd Albertson L I N Y "Teflon"
United Packing & Gasket Engrg Corp 5111 Ogden Ave Cicero 50 Ill
Victor Mfg & Gasket Co 5750 W Roosevelt Rd Chicago 50 Ill "Victolene" "Victocor" "Victoprene" (Rubber; "Victopac" asbestos and synthetic rubber)
Wisconsin Gasket & Mfg. Co., 8724 N. Granville Rd., Granville, Wis.

GASOLINE

Sun Oil Co 1608 Walnut St Philadelphia 3 Pa "Blue Sunoco"

GASOLINE FILTERS—See Filters, Gasoline (Auto)

GASOLINE STRAINERS—See Strainers, Gasoline

GEAR BOXES—See Boxes, Gear

GEAR CUTTING MACHINES—See Machines, Gear Cutting

GEAR HOBBING MACHINES—See Machines, Gear Hobbing

GEAR HOBS—See Hobs, Gear

GEAR LUBRICANTS—See Lubricants, Gear

GEAR MATERIAL, Laminated Phenolic

Celoron—See Continental - Diamond Fibre Corp
Continental-Diamond Fibre Corp Newark 2 Del "Celoron"
General Electric Co Chemical & Metallurgical Div Laminated Products Dept Coshocton Ohio "Textolite"
Ohmold—See Wilmington Fibre Specialty Co.
Taylor Fibre Co Norristown 49 Pa
Textolite—See General Electric Co
Wilmington Fibre Specialty Co New Castle Del "Ohmold"

GEAR SHAVING MACHINES—See Machines, Gear Shaving

GEAR SHIFT CONTROLS—See Controls, Gear Shift (For Transmissions)

GEAR SHIFTERS—See Shifters, Gear

GEAR TESTING INSTRUMENTS—See Instruments, Gear Testing

GEAR TESTING MACHINES—See Machines Testing (Gear)

GEAR TOOTH CHAMFERING MACHINES—See Machines, Gear Tooth Chamfering and Finishing

GEAR TOOTH GRINDING MACHINES—See Machines, Grinding (Gear Tooth)

GEARS, Cut

Springfield Mfg Co Bechtle Ave & Columbia St Springfield Ohio

GEARS, DIFFERENTIAL—See Differentials, Auto; also Gears and Pinions, Rear Axle

GEARS, FIBRE—See Gears and Pinions, Non-Metallic

GEARS, Flywheel Ring

Detroit Bevel Gear Co 8130 Jos Campau Ave Detroit 11 Mich
Double-Diamond—See Eaton Mfg Co Automotive Gear Div
Eaton Mfg Co Automotive Gear Div S Eighth & O Sts Richmond Ind "Double Diamond"
Excelsior—See Springfield Mfg. Co.
Lempco Products Inc 5490 Dunham Rd Bedford Ohio
Perfection Gear Co 152nd St & Vincennes Ave Harvey Ill
Republic Gear Co., 2197 Beaufait Ave., Detroit 7, Mich.
Springfield Mfg Co Bechtle Ave & Columbia St Springfield Ohio "Excelsior"
Wohlert Corp 700 E Grand River Ave Lansing 5 Mich

GEARS, Landing (Trailer)

Austin Trailer Equipment Co., 1148 W. Western Ave., Muskegon, Mich.
Binkley Mfg Co Warrenton Mo
Dayton Steel Foundry Co 1366 Miami Chapel Rd Dayton 1 Ohio
Fruehauf Trailer Co 10940 Harper Ave Detroit 32 Mich
Highway Trailer Co 405 E Fulton St Edgerton Wis
Holland Hitch Co., 430 W. 18th St., Holland, Mich.
Homan & Co 511 Reading Rd Reading Cincinnati 15 Ohio

GEARS, RAWHIDE—See Gears and Pinions, Non-Metallic

GEARS, Running (Trailer)

Caravan—See United Mfg Co
Fayette Mfg Co Box 8 Fayette Ohio
Highway Trailer Co 405 E Fulton St Edgerton Wis
Kelly Ryan Equipment Co Blair Nebr
United Mfg Co 5250 Dobeckmun Ave Cleveland 2 Ohio "Caravan"

GEARS, SPEEDOMETER — See Gears, and Pinions, Speedometer

GEARS, Steering (Manual)

(Complete steering gear units)

Gemmer Mfg Co Div of Ross Gear & Tool Co 6400 Mt Elliott Ave Detroit 11 Mich
Ross Gear & Tool Co 800 Heath St Lafayette Ind
Saginaw Steering Gear Div General Motors Corp 3900 Holland Rd Saginaw Mich "Safety"

GEARS, Steering (Power)

Bendix Products Div Bendix Aviation Corp South Bend 20 Ind
Ross Gear & Tool Co 800 Heath St Lafayette Ind
Safety—See Saginaw Steering Gear Div
Saginaw Steering Gear Div General Motors Corp 3900 Holland Rd Saginaw Mich "Safety"
Sheppard Co R H 101 Philadelphia St Hanover Pa (Hydraulic)

GEARS, Steering (Power Units Only)

Ainsworth Mfg Corp 2200 Franklin St Detroit 7 Mich
Air-O-Matic Power Steer Corp 1478 Davenport Ave Cleveland 14 Ohio "Apsco" (Air for trucks buses etc)
Apsco—See Air-O-Matic Power Steer Corp
Behlen Mfg Co Columbus Nebr (For farm tractors and motor graders)
Bendix Products Div Bendix Aviation Corp South Bend 20 Ind (Hydraulic linkage type)
Char-Lynn Co 2843 26th Ave S Minneapolis 6 Minn
Garrison Mfg Co 4609 E Shella St East Los Angeles 22 Calif (Hydraulic for trucks and tractors)
Gemmer Mfg Co Div of Ross Gear & Tool Co 6400 Mt Elliott Ave Detroit 11 Mich "Gemmer Hydraguide" (Hydraulic)
Monroe Auto Equipment Co 1426 E First St Monroe Mich (Hydraulic linkage type)
Ross Gear & Tool Co 800 Heath St Lafayette Ind "Ross Hydrapower" (Hydraulic linkage type)
Safety—See Saginaw Steering Gear Div General Motors Corp
Saginaw Steering Gear Div General Motors Corp 3900 Holland Rd Saginaw Mich "Safety"
Vickers Inc Mobile Hydraulics Div Administrative & Engrg Center Detroit 32 Mich (Hydraulic)
Yetter Mfg Co Colchester Ill (For farm tractors)

GEARS, Timing (Metallic and Non-Metallic)

Al-Fin Div Fairchild Engine & Airplane Corp West Babylon L I N Y (Aluminum with bonded on steel hubs semi-finished)
Auto-Lite—See Electric Auto-Lite Co
Celoron—See Continental - Diamond Fibre Corp
Bangor Plastics Inc Bangor Mich
Cloyes Gear & Products Inc 17214 Roseland Rd N E Cleveland 12 Ohio
Continental-Diamond Fibre Corp Newark 2 Del "Celoron"
Cy-lent—See Timing Gears Corp
D & B Mfg Co 2312 S Indiana Ave Chicago 16 Ill
Detroit Bevel Gear Co 8130 Jos Campau Ave Detroit 11 Mich
Electric Auto-Lite Co Toledo 1 Ohio "Auto-Lite"

Elgin Machine Works Inc 412 N State St Elgin Ill
Hoot Products Co., 6543 S. Laramie Ave., Chicago 38, Ill. (Metallic.)
International Parts Corp 4101 W 42nd Pl Chicago 32 Ill
Jambor Tool & Stamping Co 3057 N 30th St Milwaukee 10 Wis
Lempco Products Inc 5490 Dunham Rd Bedford Ohio
Martin Wells—See Martin Wells Inc
Perfection Gear Co 152nd St & Vincennes Ave Harvey Ill
Republic Gear Co 2197 Beaufait Ave Detroit 7 Mich
Timing Gears Corp 2801 W Fulton St Chicago 12 Ill
Wells Inc Martin 5886 Compton Ave Los Angeles 1 Calif "Martin Wells"

GEARSETS—See Transmissions, Auto

GEARS, Transmission

(For complete units see Transmissions, Auto.)

Brad Foote Gear Works Inc 1309 S Cicero Ave Cicero 50 Ill
Clark Equipment Co Transmission Div 1300 Falahee Rd Jackson Mich
Cotta Transmission Co., 2340 11th St., Rockford, Ill.
Detroit Bevel Gear Co., 8130 Jos. Campau Ave., Detroit 11, Mich. (Truck and tractor.)
Dittmer Gear Div Borg-Warner Corp Auburn Ind
Double Diamond—See Eaton Mfg Co Automotive Gear Div
Eaton Mfg Co Automotive Gear Div S 8th & O Sts Richmond Ind "Double Diamond"
Fairfield Mfg Co State Rd No 52 South Lafayette Ind
Hy-Power—See Lion Auto Parts & Mfg Co
International Parts Corp 4101 W 42nd Pl Chicago 32 Ill
Lempco Products Inc 5490 Dunham Rd Bedford Ohio
Levene Motor Co., 6245 State Rd., Philadelphia 35, Pa
Lion Auto Parts & Mfg Co 1920 S Michigan Ave Chicago 16 Ill "Hy-Power"
New Process Gear Div Chrysler Corp 500 Plum St Syracuse N Y (Truck and tractor)
Perfection Gear Co 152nd St & Vincennes Ave Harvey Ill
Republic Gear Co 2197 Beaufait Ave Detroit 7 Mich
Warner Automotive Div Borg-Warner Corp S Wayne St Auburn Ind

GEARS, Worm Drive (Truck)

Baush Machine Tool Co., 156 Wason Ave., Springfield, Mass.
Beaver Gear Works, Inc., 1025 Parmele St., Rockford, Ill.
Boston Gear Works, Div. Murray Corp., 14 Hayward St., Quincy 71, Mass.
C W & G Co—See Cleveland Worm & Gear Co
Cleveland Worm & Gear Co 3274 E 80th St Cleveland 4 Ohio "C W & G Co"
Fairfield Mfg Co State Rd No 52 South Lafayette Ind
Morse Chain Co Ithaca N Y
Ohio Forge & Machine Corp 3010 Woodhill Rd Cleveland 4 Ohio
XL Gears Inc 69 Prospect St Newark 5 N J

GEARS and PINIONS, Non-Metallic

(Rawhide, fibre, fabric and phenolic gear cutting on contract to sample or blueprint; see also Gears, Timing, Metallic and Non-Metallic)

C R—See Chicago Rawhide Mfg Co
Celoron—See Continental - Diamond Fibre Corp
Chicago Rawhide Mfg Co 1301 Elston Ave Chicago 22 Ill "C R"
Continental-Diamond Fibre Corp Newark 2 Del "Celoron"
Crofoot Gear Corp Charles E 55 Central St South Easton Mass
Danco—See Danielson Mfg Co
Danielson Mfg Co Danielson Conn "Danco" (Nylon gears)
Franklin Fibre-Lamitex Corp 18th St E of Market St Wilmington Del (Bakelite and fibre)
GRC—See Gries Reproducer Corp
Gatke Corp., 228 N. La Salle St., Chicago 1, Ill.
Greaves Machine Tool Div of J A Fay & Egan Co Eastern Ave & Hazen St Cincinnati 2 Ohio
Gries Reproducer Corp Beechwood Ave & Second St New Rochelle N Y "GRC" (Nylon)
L. M. Gear Co., 23120 Gratiot Ave., East Detroit, Mich.
National Vulcanized Fibre Co., Maryland Ave & Beech St., Wilmington 99, Del
Ohmold—See Wilmington Fibre Specialty Co
Sier-Bath Gear & Pump Co 9252 Hudson Blvd North Bergen N J
Timing Gears Corp 2801 W Fulton St Chicago 12 Ill
Wilmington Fibre Specialty Co New Castle Del "Wilmington Fibre" "Ohmold"

GEARS and PINIONS, Rear Axle

(For complete units—see Differentials, Auto)

Clark Equipment Co Transmission Div 1300 Falahee Rd Jackson Mich
Detroit Bevel Gear Co., 8130 Jos. Campau Ave., Detroit 11, Mich.
Fairfield Mfg Co State Rd No 52 South Lafayette Ind
Lempco Products Inc 5490 Dunham Rd Bedford Ohio
Levene Motor Co 6245 State Rd Philadelphia 35 Pa
New Process Gear Div Chrysler Corp 500 Plum St Syracuse N Y
Perfection Gear Co 152nd St & Vincennes Ave Harvey Ill
Republic Gear Co 2197 Beaufait Ave Detroit 7 Mich
Saco-Lowell Automotive Div Saco-Lowell Shops 10340 Putnam Ave Detroit Mich
Warner Automotive Div Borg-Warner Corp S Wayne St Auburn Ind

GEARS and PINIONS, Speedometer

Celoron—See Continental - Diamond Fibre Div Budd Co
Continental-Diamond Fibre Corp Newark 2 Del "Celoron"
Stewart-Warner Corp Instrument Div 1826 Diversey Parkway Chicago Ill

GENERATOR PARTS AND ATTACHMENTS—See Belts, Auto (Fan, Water Pump, Generator, etc.); Brushes; Coils, Field; Couplings; Cutouts, Reverse Current; Parts, Generator; also Regulators, Generator Current & Voltage (Auto)

GENERATORS, Electric (Auto)

(See also Motors, Starting [Electric])

American Bosch Div American Bosch Arma Corp 3664 Main St Springfield 7 Mass "American Bosch Volt-O-Matic"
American Generator & Armature Co 6100 W Grand Ave Chicago 39 Ill (Battery charging)
Auto-Lite—See Electric Auto-Lite Co
Delco-Remy Div General Motors Corp 2401 Columbus Ave Anderson Ind
Electric Auto-Lite Co Toledo 1 Ohio "Auto-Lite"
GMC Truck & Coach Div General Motors Corp 660 South Blvd E Pontiac 11 Mich
General Armature & Mfg Co Box 370 Lock Haven Pa
L-N—See Leece-Neville Co
Lane & Beane 2934 Arunah Ave Baltimore 16 Md (Auxiliary)
Leece-Nevill Co 1374 E 51st St Cleveland Ohio "L-N" (Bus and truck)

GENERATORS, PLATING—See Machines, Plating

GLASS, BULLET-PROOF—See Glass, Safety

GLASS, Safety

AGM—See Auto Glass Mfg Co
Auto Glass Mfg Co 8701 Grinnell Ave Detroit 13 Mich "AGM"
Duolite—See Pittsburgh Plate Glass Co
Duplate—See Pittsburgh Plate Glass Co
E-Z-Eye—See Libbey-Owens-Ford Glass Co
GMC—See Globe Auto Glass Co
Glass Products Inc 9 W Park Way Pittsburgh 12 Pa "Supratest" "SupraKoolvue"
Globe Auto Glass Co 2501 S Dearborn St Chicago 16 Ill "GMC"
Herculite—See Pittsburgh Plate Glass Co
LOF—See Libbey-Owens-Ford Glass Co
Libbey-Owens-Ford Glass Co 608 Madison Ave Toledo 3 Ohio "E-Z-Eye" "LOF" "Tuf-Flex"
Pittsburgh Plate Glass Co 1 Gateway Center Pittsburgh 22 Pa "Duolite" "Duplate" "Herculite" "Solex"
Protecto Safety Glass Co 82-04 Cooper Ave Brooklyn 27 N Y
Safetee Glass Co., 4717 Stenton Ave., Philadelphia 44, Pa. (Also bullet-resisting.)
Shat-R-Proof—See Shatterproof Glass Co.
Shatterproof Glass Co., 4815 Cabot Ave., Detroit 10, Mich. "Shat-R-Proof."
Solex—See Pittsburgh Plate Glass Co
SupraKoolvue—See Glass Products Inc
Supratest—See Glass Products Inc
Tuf-Flex—See Libbey-Owens-Ford Glass Co

GLASS BEVELING AND GRINDING MACHINES—See Machines, Glass Beveling and Grinding

GLAZING COMPOUNDS—See Compounds, Glazing

GLUING MACHINES, WOOD—See Machines, Gluing (Wood)

GOGGLES, Mechanics' and Welders'

American Optical Co Safety Products Div Mechanic St Southbridge Mass
Burdett Oxygen Co of Cleveland Inc 3300 Lakeside Ave Cleveland 14 Ohio (Welders)
Cesco—See Chicago Eye Shield Co
Chicago Eye Shield Co 2727 W Roscoe St Chicago 18 Ill "Cesco"
Chip-Weld—See Willson Products Div
Cover-All—See Willson Products Div
Dockson Co C H 3839 Wabash Ave Detroit 8 Mich
Feater-Spec—See Willson Products Div
GS—See General Scientific Equip Co
General Scientific Equipment Co 7516 Limekiln Pike Philadelphia 50 Pa "GS"
Glendale Optical Co 600 W Merrick Rd Valley Stream N Y "Glensite" (Welders')
Linde Co 30 E 42nd St New York 17 N Y "Oxweld" (Welders')
M-S-A—See Mine Safety Appliances Co
Martindale Electric Co 1340 Hird Ave Cleveland 7 Ohio
Mine Safety Appliances Co 201 N Braddock Ave Pittsburgh 8 Pa "M-S-A" (Welders')
Mono-Goggle—See Willson Products Div
National Cylinder Gas Div of Chemetron Corp 840 N Michigan Ave Chicago 11 Ill (Welders')
Oxweld—See Linde Co
Willson Products Div Ray-O-Vac Co Second & Washington Sts Reading Pa ("Cover All"; "Chip-Weld" Welders'; "Feater-Spec" "Mono-Goggle" mechanics')

GOVERNORS, Engine (Auto and Truck)

Electric Auto-Lite Co Toledo 1 Ohio
Handy—See King-Seeley Corp
Holley Carburetor Co 11955 E Nine Mile Rd Warren Mich
Hoot Products Co 6543 S Laramie Ave Chicago 38 Ill (Velocity hydraulic and mechanical)
K-S—See King-Seeley Corp
Key-Matic—See Minnesota Automotive Inc
King-Seeley Corp., 315 S. First St., Ann Arbor, Mich. "Handy" & "K-S."
Mallory Electric Corp 12416 Cloverdale Ave Detroit 4 Mich (Combination governor and distributor)
Minnesota Automotive Inc 1101 N Front St Mankato Minn "Key-Matic"
Monarch Governor Co 2800 Tyler Rd Willow Run Mich
Perfect Circle Corp 552 S Washington St Hagerstown Ind "Speedostat"
Pierce Governor Co 1625 Ohio Ave Anderson Ind (Farm tractor)
Safety Speed Control Co 7800 N E Fourth Court Miami 38 Fla (For trucks buses and taxicabs)
Speedostat—See Perfect Circle Corp
Stewart-Warner Corp Instrument Div 1826 Diversey Parkway Chicago 14 Ill
Woodward Governor Co 5001 N 2nd St Rockford Ill (Truck and bus)
Zenith Carburetor Div. of Bendix Aviation Corp., 696 Hart Ave., Detroit 14, Mich. (Also "Zenith Gov-U-Retor" combination carburetor and governor.)

GOVERNORS, Engine (Industrial)

Synchro-Start Products Inc 8151 N Ridgeway Ave Skokie Ill (Overspeed)

GOVERNORS, Road Speed (Auto, Truck and Bus)

Safety Speed Control Co 7800 N E Fourth Court Miami 38 Fla

GRAPHITE, Colloidal

Acheson Colloids Co., 1925 Washington Ave., Port Huron, Mich. "Oildag," "Aquadag," "Castordag," "Dag Dispersions," "Glydag," "Prodag."

GRAPHITE, Colloidal—continued

Aquadag—See Acheson Colloids Co.
Castordag—See Acheson Colloids Co.
Co-Lo—See Kant Rust Products Corp.
Dag Dispersions—See Acheson Colloids Co
Diegraf—See Grafo Colloids Corp.
Glydag—See Acheson Colloids Co.
Grafo Colloids Corp Grafo Bldg 310 Wilkes Place Sharon Pa ("Diegraf" "Grafo" "Moldgraf" in oil; "Hydro-Graf" "Grafolux" in water)
Grafolux—See Grafo Colloids Corp.
Graph-Tex—See Greenleaf Corp.
Greenleaf Corp., 512 Franklin Ave., Pittsburgh 21, Pa. "Graph-Tex."
Hollingshead Corp., R. M., 840 Cooper St., Camden, N. J.
Hydro-graf—See Grafo Colloids Corp.
Kant Rust Products Corp., Rahway, N. J. "Co-Lo."
Lurca-Lub—See Superior Graphite Co
Megraf Oil Products Co., P. O. Box 95, Northville, Mich.
Moldgraf—See Grafo Colloids Corp.
Oildag—See Acheson Colloids Co.
Prodag—See Acheson Colloids Co.
Reynolds Ink Inc 4500 Euclid Ave Cleveland 3 Ohio
Superflake—See **Superior Flake Graphite Co**
Superior Graphite Co 1521 First National Bank Bldg Chicago 3 Ill "Superflake" "Lucra-Lub"

GRAPHITE, Lubricating

AP Parts Corp., AP Bldg., 1801 Spielbusch Ave., Toledo 1, Ohio. "dgf-123."
Acheson Colloids Co., 1925 Washington Ave., Port Huron, Mich. "Glydag," "Oildag," "Dag Dispersions," "Aquadag," "Castordag."
Aquadag—See Acheson Colloids Co.
Blaco—See Servwell Products Co
Boyle-Midway Inc 22 E 40th St New York N Y "Kant Rust"
Busch & Co A G 6138 Northwest Hwy Chicago 31 Ill "Slick-Spray"
Castordag—See Acheson Colloids Co
Dag Dispersions—See Acheson Colloids Co
dgf-123—See AP Parts Corp
Dixon Crucible Co Joseph Monmouth & Wayne Sts Jersey City 3 N J
Glydag—See Acheson Colloids Co.
Graph-A-Cator—See Panef Mfg Co
Hill & Griffith Co 1362 State St Cincinnati 4 Ohio
Kant Rust—See Boyle-Midway, Inc.
Lub-A-Graph—See Panef Mfg Co
Lub-A-Spray—See Panef Mfg Co
Mexican—See United States Graphite Co.
Motorflake—See Superior Graphite Co
Oildag—See Acheson Colloids Co.
Panef Mfg Co 102 E Walnut St Milwaukee 1 Wis "Lub-A-Spray" "Graph-A-Cator" "Lub-A-Graph"
Petco—See George F Pettinois Inc
Pettinois Inc George F 1206 Locust St Philadelphia 7 Pa "Petco"
Servwell Products Co 6519 Euclid Ave Cleveland 3 Ohio "Blaco"
Slick-Spray—See A G Busch & Co
Superflake—See Superior Graphite Co
Superior Graphite Co 1521 First National Bank Bldg Chicago 3 Ill "Motorflake" "Superflake"
United States Graphite Co 1621 Holland Ave Saginaw Mich "Mexican"

GRAPHITE PAINTS—See Paints, Graphite

GREASE

American Oil Co 555 Fifth Ave New York 1 N Y "Amoco"
Amoco—See American Oil Co
Battenfeld Grease & Oil Corp 3148 Roanoke Rd Kansas City 8 Mo "Ultra Lube"
Champlin Oil & Refining Co Box 9365 Fort Worth Tex
Cities Service Oil Co (Pa) 60 Wall Tower New York 5 N Y "Trojan"
DSL—See Davis-Howland Oil Corp
Davis-Howland Oil Corp 333 South Ave Rochester 20 N Y "DSL"
Delta Oil Products Corp 6263 N. Teutonia Ave Milwaukee 9 Wis
Dow Corning Corp Midland Mich (Silicon)
Esso Standard Oil Co 15 W 51st St New York 19 N Y "Esso" "Estan" "Fibrax" "Nebula E P"
Estan—See Esso Standard Oil Co
Fibrax—See Esso Standard Oil Co
Inlucite—See International Lubricant Corp
International Lubricant Corp Southport Jefferson Parish La "Inlucite" "International"
Macmillan Petroleum Corp 530 W Sixth St Los Angeles 14 Calif
Mobilgrease—See Socony Mobil Oil Co
Nebula E P—See Esso Standard Oil Co
Pennzoil Co of Calif 1630 W Olympic Blvd Los Angeles 15 Calif
Phillips Petroleum Co Bartlesville Okla "Philube"
Pure Oil Co 35 E Wacker Dr Chicago 1 Ill "Purelube"
Purelube—See Pure Oil Co
RPM—See Standard Oil Co of California
Retinax—See Shell Oil Co
Rykon—See Standard Oil Co (Indiana)
Shell Oil Co 50 W 50th St New York 20 N Y "Retinax"
Sinclair Refining Co 600 Fifth Ave New York 20 N Y
Socony Mobil Oil Co 150 E 42nd St New York N Y "Mobilgrease"
Standard Oil Co of California Western Operations Inc 225 Bush St San Francisco 20 Calif "RPM"
Standard Oil Co (Indiana) 910 S Michigan Ave Chicago 80 Ill "Rykon" "Superla"
Sun Oil Co 1608 Walnut St Philadelphia 3 Pa "Sunoco"
Sunoco—See Sun Oil Co
Superla—See Standard Oil Co (Indiana)
Texaco Inc 135 E 42nd St New York 17 N Y
Trojan—See Cities Service Oil Co (Pa)
Ultra Lube—See Battenfeld Grease & Oil Corp
Valvoline Oil Co Div of Ashland Oil & Refining Co Third Ave & Sixth St Freedom Pa

GREASE CUPS—See Cups, Oil and Grease

GREASE GUNS, HAND—See Lubricators, Hand

GREASE GUNS, PUMPS, CABINETS AND BUCKETS, HIGH PRESSURE—See Lubricators, Portable, High Pressure

GREASE AND OIL ABSORBENTS (FLOOR)—See Absorbents, Oil and Grease (Floor)

GREASE RETAINERS—See Rings & Seals, Oil & Grease Retaining

GRILLES, Radiator

Ainsworth-Precision Castings Co Div of Harsco Corp 3200 Guardian Bldg Detroit 26 Mich (To order)
Auto-Lite—See Electro Auto-Lite Co
Cutler Metal Products Co 1025 Line St Camden N J
Dee-Gee—See Detroit Gasket & Mfg Co
Detroit Gasket & Mfg Co 12640 Burt Rd Detroit 23 Mich "Dee-Gee"
Doehler Die-Casting Co 386 **Fourth Ave** New York N Y
Electric Auto-Lite Co Toledo 1 Ohio "Auto-Lite"
Excel Corp 1120 N Main St Elkhart Ind "XL"
Jacobs Co F L 1043 Spruce St Detroit 1 Mich
Mirro Aluminum Co Manitowoc Wis
Saginaw Industries Co 2119 S Jefferson Ave Saginaw Mich (For Ford and Chevrolet cars)
Standard Products Co 2130 W 110th St Cleveland 2 Ohio (Anodized aluminum)
XL—See Excel Corp
Zenite Metal Corp P O Box 939 Blytheville Ark

GRINDERS

See following heads:
Grinders
Machines, Flexible Shaft (Portable Electric)
Machines, Glass Beveling and Grinding
Machines, Grinding
Machines, Grinding & Polishing
Machines, Grinding (Tool)
Machines, Honing
Machines, Superfinishing

GRINDERS, Bench (Electric)

Albertson & Co 3100 Lowell Ave Sioux City Iowa "Sioux"
Atlas Press Co 1842 N Pitcher St Kalamazoo Mich
Baldor Electric Co 4351 Duncan Ave St Louis 10 Mo
Black & Decker Mfg Co 629 Pennsylvania Ave Towson 4 Md
Blue Point—See Snap-On Tools Corp
Bradford Machine Tool Co 722 Porter St Lansing 5 Mich "Metalmaster"
Cincinnati Electrical Tool Co 300 Mt Hope Ave Cincinnati 4 Ohio
Delta-Rockwell—See Rockwell Mfg Co
Dumore Co 1300 17th St Racine Wis
Hammond Machinery Builders Inc 1621 Douglas Ave Kalamazoo 54 Mich
Hisey-Wolf Machine Co Galvin & Mt Hope Aves Cincinnati 4 Ohio "Hisey"
KRW—See K R Wilson
Metalmaster—See Bradford Machine Tool Co
Millers Falls Co Greenfield, Mass
Milwaukee Electric Tool Co 5350 W State St Milwaukee 8 Wis
Prosser & Son Thomas Felter Bldg Tenafly N J
Remington Arms Co 939 Barnum Ave Bridgeport 2 Conn
Richards Co J A 903 N Pitcher St Kalamazoo Mich (Diemaker's)
Rockwell Mfg Co Delta Power Tool Div 400 N Lexington Ave Pittsburgh 8 Pa "Delta-Rockwell"
Royal Oak Tool & Machine Co 29800 Stephenson Highway Royal Oak Mich
Schauer Mfg Corp 4500 Alpine Ave Rossmoyne Ohio
Sioux—See Albertson & Co.
Snap-On Tools Corp 8046 28th Ave Kenosha Wis "Blue Point"
Skil Corp 5033 Elston Ave Chicago Ill "Skil-Grinder"
SpeedWay Mfg Co 1421 Barnsdale Rd La Grange Park Ill "Thor Speed Grinders"
Standard Electrical Tool Co Mt Hope & River Rd Cincinnati 4 Ohio
Stanley Electric Tool Div. of Stanley Works. 480 Myrtle St., New Britain, Conn.
Thor Power Tool Co 175 State St Aurora Ill
Thor Speed Grinders—See SpeedWay Mfg Co
United States Electrical Tool Co 3620 Llewelyn St Cincinnati 23 Ohio
Valley Electric Corp., 4221 Forest Park Blvd., St. Louis, Mo.
Walker Turner Div Rockwell Mfg Co 400 N Lexington Ave Pittsburgh 8 Pa
Wickman Mfg Co 10325 Capitol Ave Oak Park Detroit 37 Mich "Wickman-Neven" (Carbide)
Wilson Inc K R Arcade N Y "KRW"
Wissota Mfg Co 1201 S 3rd St Minneapolis Minn

GRINDERS, Die (Portable Electric)

Black & Decker Mfg Co 629 Pennsylvania Ave Towson 4 Md
Chicago Pneumatic Tool Co 6 E 44th St N Y 17 N Y "Hicycle" "Super Cycle" "Universal"
Hicycle—See Chicago Pneumatic Tool Co
Rotor Tool Co 23600 Lakeland Blvd Cleveland 32 Ohio
Super Cycle—See Chicago Pneumatic Tool Co
Universal—See Chicago Pneumatic Tool Co

GRINDERS, Die (Portable Pneumatic)

Cleco Div of Reed Roller Bit Co 5125 Clinton Dr Houston 1 Tex

GRINDERS, Portable Electric

(See also Machines, Flexible Shaft Portable Electric)

Albertson & Co., 3100 Lowell Ave., Sioux City, Iowa. "Sioux."
Black & Decker Mfg Co 629 Pennsylvania Ave Towson 4 Md
Buckeye Tools Corp 5005 Springboro Pike Dayton 9 Ohio
Chicago Pneumatic Tool Co 6 E 44th St New York N Y "Universal" "Hicycle" "Super Cycle"
Chicago Wheel & Mfg. Co., 1101 W. Monroe St., Chicago 7, Ill.
Dremel Mfg. Co., 2420 18th St., Racine, Wis "Moto-Tool."
Dumore Co 1300 17th St Racine Wis
Hicycle—See Chicago Pneumatic Tool Co
Lee Co., K. O. Congress at First Ave., S. E., Aberdeen, S. D.
Martindale Electric Co., 1340 Hird Ave., Cleveland 7, Ohio
Millers Falls Co 57 Wells St Greenfield Mass
Milwaukee Electric Tool Co., 5316 W. State St., Milwaukee, Wis.
Moto-Tool—See Dremel Mfg. Co.
Precise Products Corp 3715 Blue Ribbon Rd Racine Wis
Rotor Tool Co 23600 Lakeland Ave Cleveland 32 Ohio
Sioux—See Albertson & Co
Skil Corp 5033 Elston Ave Chicago Ill "Skil Grinder"
SpeedWay Mfg Co 1421 Barnsdale Rd La Grange Park Ill "Thor SpeedGrinders"
Stanley Electric Tools Div of Stanley Works 480 Myrtle St New Britain Conn
Super Cycle—See Chicago Pneumatic Tool Co
Thor Power Tool Co 175 State St Aurora Ill
Thor SpeedGrinders—See SpeedWay Mfg Co
United States Electrical Tool Co 1050 Findlay St Cincinnati 14 Ohio
Universal—See Chicago Pneumatic Tool Co.

GRINDERS, Portable Pneumatic

Aro Equipment Corp., Bryan, Ohio.
Buckeye Tools Corp 5005 Springboro Pike Dayton 9 Ohio
CP—See Chicago Pneumatic Tool Co.
Chicago Pneumatic Tool Co., 6 E. 44th St., New York, N. Y. "CP."
Cleco Div of Reed Roller Bit Co 5125 Clinton Dr Houston 1 Tex
Gardner-Denver Co S Front St Quincy Ill
Ingersoll-Rand Co 11 Broadway New York 4 N Y
Kip—See Madison-Kipp Corp.
Madison-Kipp Corp., 201 Waubesa St., Madison, Wis. "Kip."
Master Power Corp Co Krick Rd Bedford O
Onsrud Machine Works Inc Machine Tool Div 7720 N Lehigh Ave Niles 48 Ill
Rotor Tool Co 23600 Lakeland Ave Cleveland 32 Ohio
Skil Corp 5033 Elston Ave Chicago Ill "Skil-Grinder"
Thor Power Tool Co 175 State St Aurora Ill
Watervliet Tool Co 1246 Broadway, Albany 4 N Y

GRINDERS, Valve Seat (Production Type)

Hall-Toledo Inc 2931 South St Toledo 9 Ohio

GRINDING EQUIPMENT

See following heads:
Centers, Lathe and Grinder
Compounds, Grinding
Discs, Abrasive Grinding
Machines, Flexible Shaft (Portable Electric)
Machines, Grinding (Abrasive Belt)
Spindles, Drilling and Grinding Machine
Wheels, Grinding

GRIPS, PEDAL—See Pads, Petal

GRIT (Shot)

Angular—See Pittsburgh Crushed Steel Co
Globe Steel Abrasive Co 238 First Ave Mansfield Ohio "Globe" (Chilled iron; "Malleabrasive" heat treated)
Harrison—See Metals Disintegrating Co
Malleabrasive—See Globe Steel Abrasive Co
Metals Disintegrating Co., Box 290, Elizabeth B N J "Harrison" (Cast iron)
Pangborn Corp 200 Pangborn Blvd Hagerstown Md
Pittsburgh Crushed Steel Co 4839 Harrison St Pittsburgh 1 Pa "Angular" (Steel)
Steeletts—See Wheelabrator Corp
Stevens Inc Frederic B 1800 18th St Detroit 16 Mich
Wheelabrator Corp 402 Byrkit St Mishawaka Ind "Steeletts" & "Wheelabrator" (Steel)

GROMMETS, Rubber

Anchor Rubber Products Div of Anchor Industries Inc 1725 London Rd Cleveland 12 Ohio "Tuftex"
Armor-Flex—See Doan Mfg Div
Atlantic India Rubber Works Inc 571 W Polk St Chicago 7 Ill
Canfield Co H O 191 Housatonic Ave Bridgeport 1 Conn
Continental Rubber Works 1946 Liberty St Erie Pa
Cooper Tire & Rubber Co., Lima & Western Aves., Findlay, Ohio.
Doan Mfg Div of Anchor Industries Inc 1725 London Rd Cleveland 12 Ohio "Armor-Flex"
Duffy Mfg Co Holland Mich
Firestone Tire & Rubber Co 1200 Firestone Parkway Akron Ohio
Garlock Packing Co., 402 Main St., Palmyra, N. Y.
Goodrich Industrial Products Co B F 500 S Main St Akron 18 Ohio
Goshen Rubber Co 609 E Iowa St Goshen Ind
Johnson Rubber Co Middlefield Ohio
Kuehn Co N L 1053 N 4th St Milwaukee 3 Wis
Lightnin—See R J Loock & Co
Loock & Co R J 343 N Gay St Baltimore Md "Lightnin"
Minnesota Rubber Co 3630 Woodale Ave St Louis Park Minneapolis 16 Minn
Ohio Rubber Co., 300 Hen Hur Ave Willoughby, Ohio. "Orco."
Orco—See Ohio Rubber Co.
Perfect Parts Inc 43 W 23rd St N Y 10 N Y
Roberts Toledo Rubber Co 4143 Monroe St Toledo 13 Ohio
Rodic Chemical & Rubber Corp Allen Ave New Brunswick N J
Standard Products Co 2130 W 110th St Cleveland 2 Ohio
Tuftex—See Anchor Rubber Products Div of Anchor Industries Inc
United States Rubber Co., Rockefeller Center, 1230 Ave. of the Americas, New York 20, N. Y
Western Rubber Co 620 E Douglas St Goshen 3 Ind

GROOVING MACHINES, OIL—See Machines, Oil Grooving

GUARDS, Bumper

Brown-Lipe-Chapin Div General Motors Corp Town Line Rd Syracuse N Y
Campbell Co., A. S., 161 Prescott St., East Boston 28, Mass.
Eaton Mfg Co Stamping Div 17877 St Clair Ave Cleveland 10 Ohio
Gem Mfg Co 2535 South State St Chicago 16 Ill
Hamlin Metal Products Co 2741 Wingate Ave Akron 19 Ohio
Jacobs Co., F. L., 1043 Spruce St., Detroit 1 Mich.
Rheem Automotive Co 601 S Placentia Ave Fullerton Calif

GUARDS, Fender Splash

Ace Rubber Products Inc 100 Beech St Akron Ohio
Acme Rubber Mfg Co 115 Meade St Trenton N J
Akro—See Buxbaum Co
Anchor Rubber Products Div of Anchor Industries Inc 1725 London Rd Cleveland 12 Ohio "Tuftex"
Armor-Flex—See Doan Mfg Div of Anchor Industries Inc
Bermo Industries Inc 216 W 86th St Minneapolis Minn
Better Monkey Grip Co 5320 Harry Hines Blvd Dallas 22 Tex "Monkey Grip" (Truck; sole distributors Monkey Grip Sales Co 5320 Harry Hines Blvd Dallas 22 Tex)
Buckeye Rubber Products Inc 637 N Jackson St Lima Ohio
Buxbaum Co 1212 7th St S W Canton 1 Ohio "Akro"
COT—See Tingley Rubber Co
Contour Truck Guards Inc 38 S Dearborn St Chicago 3 Ill "Flexi-Fend" "Safe Gard"
Dallas Mfg & Sales Co P O Box 7181 Dallas Tex "Guard-A"
Doan Mfg Div of Anchor Industries Inc 1725 London Rd Cleveland 12 Ohio "Armor-Flex" (Truck)
Fargo Rubber Corp 137 E 58th St Los Angeles 11 Calif (Truck)
Flexi-Fend—See Contour Truck Guards Inc
Fruehauf Trailer Co 10940 Harper Ave Detroit 32 Mich
Gates Rubber Co 999 S Broadway Denver 17 Colo "Gates Vulco"
Globe Rubber Products Co 3333 N Lawrence St Philadelphia 40 Pa
Goodrich Industrial Products Co B F 500 S Main St Akron 18 Ohio
Gross Mfg Co 1711 California St Monrovia Calif
Guard-A—See Dallas Mfg & Sales Co
Haywood Industries P O Box 1004 Dayton 1 Ohio "Modac"
Lee Rubber & Tire Corp Conshohocken Pa
Modac—See Haywood Industries
Monkey Grip—See Better Monkey Grip Co
Quadrant—See Tingley Rubber Corp
Randall Co 5000 Spring Grove Ave Cincinnati 32 Ohio
Regal Motor Products Inc 6325 Grand River Ave Detroit 8 Mich
Safe Gard—See Contour Truck Guards Inc
Signal Mfg. Co., 69 Bennett St., Lynn, Mass.
Tingley Rubber Corp 903 Ross St Rahway N J "COT" "Quadrant" "Tingley" "Vise-Grip"
Tuftex—See Anchor Rubber Products Div
ViseGrip—See Tingley Rubber Corp

GUARDS, Radiator Grille, Fender and Trunk

American Forging & Socket Co P O Box 210 Pontiac Mich (Radiator grille)
Bustin Steel Products Inc Dover NJ (Truck radiator)
Calco Steel Products Co 28-29 New England Ave Dorchester 24 Mass (Grille for trucks)
Champion Sheet Metal Co 2 Squires St Cortland N Y (Radiator grille to order)
Gichner Iron Works Inc Fred S 1214 24th St NW Washington 7 D C
Hamlin Metal Products Co 2741 Wingate Ave Akron 19 Ohio (Radiator grille and trunk)
Helms Industrial Development Co 220 S Kirk St West Lafayette Ohio
Hutchinson Co., 6931 St. Vincents Ave., Shreveport, La. "Redi-Fit." (Grille, for trucks.)
Redi-Fit—See Hutchinson Co.
Western Metal Specialty Div Western Industries Inc 1213 N 62nd St Milwaukee 13 Wis
Youngstown Kitchens Div of American-Standard 605 S Ellsworth St Salem Ohio (Truck and tractor)

GUIDES, Valve (Engine)

Aero Mfg & Machinery Co 2724 Ninth St Muskegon Heights Mich
Aluminum Industries Inc 3670 Werk Rd Cincinnati 11 Ohio
American Auto Parts Co., 919 Bonham Ave., Columbus 3, Ohio.
Beckett Bronze Co 20th & S Walnut Sts Muncie Ind (Bronze)
Burd Piston Ring Co Box 567 Eau Claire Wis
Eaton Mfg Co Saginaw Div 1000 Rust St Saginaw Mich
Elgin Machine Works Inc 412 N State St Elgin Ill
Ertel Mfg Co 2045 Martindale Ave Indianapolis 7 Ind
Ertel Products Co Repl Div of Ertel Mfg Corp 1402 E 20th St Indianapolis 7 Ind
Hub City Iron Co 218 Firs. Ave S W Aberdeen S D
International Parts Corp 4101 W 42nd Pl Chicago 32 Ill
Jambor Tool & Stamping Co 3057 N 30th St Milwaukee 10 Wis
McQuay-Norris Mfg Co 2320 Marconi St St Louis Mo
National—See Wheel Parts & Mfg Co
RMC—See Rich Mfg Corp
Rich Mfg Corp 96 N Division St Battle Creek Mich "RMC"
Sealed Power Corp 2001 Sanford St Muskegon Heights Mich
Standard Automotive Parts Co 660 Nims St Muskegon Mich
Superior—See White Machine Works
Thompson Products Valve Div Thompson-Ramo-Wooldridge Inc 1455 E 185th St Cleveland 10 Ohio
Toledo Steel Products Div of Thompson-Ramo-Wooldridge Inc 6402 Cedar Rd Cleveland 3 Ohio
Wheel Parts & Mfg Co 352 Fourth Ave N Y 10 N Y "National"
White Machine Works 1401 Bellevue Ave Eau Claire Wis "Superior"
Zoerman-Clark Mfg Co 624 N Mechanic St Jackson Mich (For Ford cars)

GUNS—See Blast Cleaning Apparatus; Lubricators; Nozzles, Air; also Sprayers

GUN METAL FINISH—See Treating, Heat

HACK SAWS, FRAMES AND BLADES—See Blades, Saw (Hack); Machines, Sawing (Power Hack); also Saws and Cutters, Hole or Rotary

HAIR FELT FLOOR PADS—See Pads, Floor (Felt, Jute, etc.)

HAIR, Upholstery

(See also Moss, Upholstery; also Felt, Upholstery)

Armour Alliance Industries 16123 Armour St N E Alliance Ohio "Hairflex" (Curled and rubberized)
Burkart Mfg Co F Div of Textron Inc 4900 N Second St St Louis 7 Mo
Goodrich Sponge Products B F Howe Ave Shelton Conn "Texlite"
Gordon Bros., Inc., Pierce & Orthodox Sts. (Frankford), Philadelphia, Pa. (Also rubberized curled hair.)
Hairflex—See Armour Alliance Industries
Texlite—See B F Goodrich Sponge Products
Vitacurid—See F. P. Woll & Co
Woll & Co., F. P., Church & Tacony Sts., (Frankford), Philadelphia 24, Pa. "Vitacurid." Curled; "Wollastic," rubberized curled)
Wollastic—See F. P. Woll & Co.

HAMMERS, COPPER—See Hammers, Soft Face

HAMMERS, DROP—See Hammers Power (Belt and Motor Driven)

HAMMERS, Pneumatic

CP—See Chicago Pneumatic Tool Co
Ceco-Drop—See Chambersburg Engineering Co.

HAMMERS, Pneumatic—continued

Chambersburg Engineering Co Derbyshire St Chambersburg Pa "Ceco-Drop" "Impacter"
Chicago Pneumatic Tool Co 6 E 44th St N Y 17 N Y "CP"
Erie Foundry Co., 1253 W. 12th St., Erie, Pa
Gardner-Denver Co S Front St Quincy Ill
Impacter—See Chambersburg Engrg Co
Ingersoll-Rand Co 11 Broadway New York 4 N Y
Little Power House—See Modern Mfg Co
Master Power Corp Krick Rd Bedford Ohio (Portable)
Mead Specialties Co 4114 N Knox Ave Chicago 41 Ill
Modern Mfg Co 680 Davisville Rd Willow Grove Pa "Little Power House" (Portable)
Nazel—See United Engrg & Fdry Co
Superior Pneumatic & Mfg Inc 4758 Warner Rd Cleveland 25 Ohio
Thor Power Tool Co 175 State St Aurora Ill
United Engrg & Fdry Co Wilmington Plant P O Box 1108 Wilmington 99 Del "Nazel"
Watco—See Watervliet Tool Co
Watervliet Tool Co 1346 Broadway Albany 4 N Y "Watco"
Williams White & Co 100 Eighth St Moline Ill

HAMMERS, Portable Electric

Black & Decker Mfg Co 629 Pennsylvania Ave Towson 4 Md
Millers Falls Co 57 Wells St Greenfield Mass
Milwaukee Electric Tool Co 5350 W State St Milwaukee 8 Wis
Modern Mfg Co 680 Davisville Rd Willow Grove Pa "Modern Slugger"
Stanley Electric Tool Div. of Stanley Works 480 Myrtle St., New Britain, Conn.
Syntron Co 495 Lexington Ave Homer City Pa
Thor Power Tool Co 175 State St Aurora Ill "Thor-Nado"

HAMMERS, Power (Belt and Motor Driven)

Billings & Spencer Co. 1 Laurel St., Hartford 1, Conn.
Bradley & Sons Div Harsco Corp C C 37 Huntington St Cortland N Y (Forging)
Chambersburg Engineering Co., Derbyshire St., Chambersburg, Pa.
Champion Blower & Forge Co., Harrisburg Ave. & Charlotte St., Lancaster, Pa. "Hercules"
Erie Foundry Co. 1253 W. 12th St., Erie, Pa.
Hercules—See Champion Blower & Forge Co.
Yoder Co 5553 Walworth Ave Cleveland 2 Ohio

HAMMERS, RIVETING—See Machines, Riveting (Metal)

HAMMERS, Soft Face

(Including brass, copper, rubber, etc., for use on finished surfaces)

Basa—See Greene, Tweed & Co
Blackhawk—See New Britain Machine Co
Blue Point—See Snap-On Tools Corp.
Buckeye Rubber Products Inc 637 N Jackson St Lima Ohio (Rubber mallets)
C/R—See Chicago Rawhide Mfg Co
Chicago Rawhide Mfg Co 1301 Elston Ave Chicago 22 Ill "C/R" (Rawhide and nylon)
Continental Rubber Works 1946 Liberty St Erie Pa
Divco—See Division Lead Co.
Division Lead Co 7742 W 61st Pl Summit Ill "Divco" (Lead and babbitt)
Dixon Inc William 32-42 E Kinney St Newark 1 N J
Duro Metal Products Co., 2649 N. Kildare Ave., Chicago 39, Ill. "Durolite."
Electric Materials Co Clay & Washington Sts North East Pa (Brass and copper)
Empire—See Greene, Tweed & Co.
Fairmount Tool & Forging Inc 10611 Quincy Ave Cleveland 6 Ohio
Gasket Packing & Specialty Co 41 N Saxon Ave Bay Shore L I N Y (Lead babbitt copper rubber etc)
Globe Rubber Products Corp 3333 N Lawrence St Philadelphia 40 Pa (Rubber)
Goodyear Tire & Rubber Co., E. Market St., Akron 16, Ohio.
Greene Tweed & Co North Wales Pa "Basa" "Empire" (Plastics and rawhide)
Herbrand Div., Bingham-Herbrand Corp., Lake & Stone Sts., Fremont, Ohio. "Herbrand," "Van Chrome."
Hunter Tools 9851 Alburtis Ave Santa Fe Springs Calif
Indestro Mfg Co 2649 N Kildare Ave Chicago Ill
Kennedy Service Tools Co 788 Evans Ave Akron 5 Ohio (Rubber mallets)
Ken-Tool Mfg Co 768 E North St Akron 6 Ohio (Rubber)
Lightnin—See R. J. Loock & Co.
Loock & Co., R. J., 343 N. Gay St., Baltimore, Md. "Lightnin." (Rubber mallets.)
Martindale Electric Co., 1340 Hird Ave., Cleveland 7, Ohio. (Rawhide.)
Millers Falls Co 57 Wells St Greenfield Mass (Brass)
New Britain Machine Co Hand Tool Div South St New Britain Conn "Blackhawk" & "New Britain"
Nicholson File Co Providence 1 R I
Nupla Mfg Co Div of New Plastic Corp 1026 N Sycamore St Los Angeles 38 Calif "Nupla"
OTC—See Owatonna Tool Co
Owatonna Tool Co 342 N Cedar St Owatonna Minn "OTC"
Oxwall Tool Co 928 Broadway N Y 10 N Y (Plastic mallets)
P & C Tool Co Box 5926 Milwaukee Ore (Rubber mallets)
Proto Tools Co 2209 Santa Fe Ave Los Angeles Calif
Richards Co J A 903 N Pitcher St Kalamazoo Mich (Rubber mallets)
Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis. "Blue Point." (Ball pein.)
Snyder & Son Inc 1827 E York St Philadelphia 25 Pa "Snyder Standard" (Rubber)
Stanley Tools, 111 Elm St., New Britain, Conn.
Tingley-Reliance Rubber Co 903 Ross St Rahway N J (Rubber mallets)
Univertical Fdry & Machine Co 14841 Meyers Rd Detroit 27 Mich
Vaco Products Co., 317 E. Ontario St., Chicago 11, Ill. (Plastic mallets.)
Van Chrome—See Herbrand Div., Bingham-Herbrand Corp.
Williams & Co J H 400 Vulcan St Buffalo 7 N Y
Zoerman-Clark Mfg Co 624 N Mechanic St Jackson Mich

HAMMERS, Steam

Chambersburg Engineering Co., Derbyshire St., Chambersburg, Pa.
Erie Foundry Co., 1253 W. 12th St., Erie, Pa.

HANDLES, Car Door

Cleveland—See H K Porter Co
Decker Co Richard M 919 N Michigan Ave Chicago Ill (Truck and house trailer)
Eberhard Mfg Co Div Eastern Malleable Iron Co 2734 Tennyson Rd Cleveland 4 Ohio (Truck bus and trailer)
Hansen Mfg. Co., A. L., 5037 Ravenswood Ave., Chicago 40, Ill. (Commercial body.)
Porter Co H K Forge & Fittings Div Cleveland Forge Works 3200 E 79th St Cleveland 4 N Y "Cleveland"
Regal Motor Products Inc 6325 Grand River Ave Detroit 8 Mich (Inside outside and deck)

HANGERS, Bearing (Driveshaft)

Thompson Products Michigan Div Thompson-Ramo-Wooldridge Inc 31201 Van Dyke Ave Warren Mich

HANGERS, Step (Pressed Steel)

(Pressed steel step or running board hangers or brackets; for forged hangers—see Forgings)

Brewer-Titchener Corp., 115 Pt. Watson St., Cortland, N. Y.
Transue & Williams Steel Forging Corp 561 Ely St Alliance Ohio

HARD FACING ALLOYS—See Alloys, Hard Facing

HARD RUBBER—See Rubber, Hard

HARDENING COMPOUNDS—See Compounds, Case Hardening

HARDENING, METAL—See Treating, Heat

HARDNESS TESTERS—See Machines, Testing (Metal)

HARDWARE, Automobile and Truck Body

(For bus hardware—see Fittings, Bus; see also Forgings)

Adams & Westlake Co 1019 N Michigan St Elkhart Ind (Auto, truck and bus)
American Forging & Socket Co P O Box 210 Pontiac Mich (Hood locks, etc)
Attwood Brass Works Inc 303 Douglas St NW Grand Rapids Mich (Also funeral car bus taxicab etc)
Atwood Vacuum Machine Co 1400 Eddy Ave Rockford Ill (Including locks, latches and hinges)
Auto-Lite—See Electric Auto-Lite Co
Auto Vehicle Parts Co 1032 Saratoga St Newport 6 Ky
Binkley Mfg Co Warrenton Mo (Hinges brackets etc)
Bordner Mfg Co 101 S Louis Ave Freeport Ill (Refrigerator truck body)
Bowen Products Corp Auburn N Y
Chicago Lock Co 2024 N Racine Ave Chicago 14 Ill (Hood locks)
Cinch Mfg. Co., 1026 S. Homan St., Chicago 24 Ill
Cleveland—See H K Porter Co
Croname Inc 6217 Howard St Chicago 48 Ill (Decorative trim)
Decker Co Richard M 919 N Michigan Ave Chicago Ill (Door latches for trucks and house trailers)
Dura Co Dura Div 4500 Detroit Ave Toledo 12 Ohio
Eberhard Mfg Co Div Eastern Malleable Iron Co 2734 Tennyson Rd Cleveland 4 Ohio (Truck body)
Electric Auto-Lite Co Toledo 1 Ohio "Auto-Lite"
Ferro Stamping Co 1367 Franklin St Detroit 7 Mich
Hansen Mfg Co A L 5037 Ravenswood Ave Chicago 40 Ill (Commercial body and bus)
Hartwell Aviation Supply Co 9035 Venice Blvd Los Angeles 34 Calif (Flush latches)
Jacobs Co F L 1043 Spruce St Detroit 32 Mich
Kason Hardware Corp 71 Wallabout St Brooklyn 11 N Y (Truck body)
Kneuer Tail Board Co 45 Sea Girt Ave Manasquan N J (Spaceless tailboard hardware)
Miner Inc W H 209 S La Salle St Chicago 4 Ill (Door fasteners for truck and trailer bodies)
Polar Hardware Mfg Co 3822 Lawrence Ave Chicago 25 Ill (For refrigerated trucks and trailers)
Porter Co H K Forge & Fittings Div Cleveland Forge Works 3200 E 79th St Cleveland 4 Ohio "Cleveland"
Protectoseal Co., 1920 S. Western Ave., Chicago 8, Ill. (Fuel tank fittings.)
Queen City Forging Co., Tennyson & Dumont Sts., Cincinnati 26, Ohio.
Rockford Metal Products Inc 716 Cedar St Rockford Ill
Servwell Products Co., 6519 Euclid Ave., Cleveland 3, Ohio. (Fender braces.)
Soss Mfg. Co., 21777 Hoover Rd., Detroit 13, Mich.
Standard Products Co 2130 W 110th St Cleveland 2 Ohio
Stanley Works (Pressed Metal Div.), 195 Lake St., New Britain, Conn.
Stant Mfg. Co., 1620 Columbia St., Connersville, Ind.
Tompkins H S 183 Chambers St New York 7 N Y
Wagner Mfg Co 122 W First St Cedar Falls Iowa (Truck body irons brackets and hinges)
Yale & Towne Mfg. Co., 200 Henry St. Stamford, Conn.

HEADLIGHT BEAM CONTROLS (Automatic)—See Controls, Headlamp Beam (Automatic)

HEADLIGHT GASKETS (Cork)—See Gaskets, Cork

HEADLIGHTS—See Lamps, Head

HEAD LINING CLOTH—See Linings, Head

HEAD LINING RETAINERS—See Retainers, Headlining

HEADS, Boring

BulDog—See Mummert-Dixon Co
Casler—See Oneida Machine Tool Corp
Chandler Tool Co 514 Ohio Ave Muncie Ind "Duplex" (Combination boring and facing)
Deka-Bore—See Precision Tool & Mfg Co of Illinois
Duplex—See Chandler Tool Co
E-Z—See Maxwell Industries Inc
Ferry Machine Co P O Box 299 Kent Ohio
Gairing Tool Co 21221 Hoover Rd Detroit 31 Mich
Giddings & Lewis Machine Tool Co Davis Div Fond du Lac Wis
Greenlee Bros & Co 1702 Mason Ave Rockford Ill
Heald Machine Co 10 New Bond St Worcester 6 Mass "Heald Red Head"
Hole Hog—See Moline Tool Co

Ingersoll Milling Machine Co Rockford Ill
Lovejoy Tool Co., 133 Main St., Springfield, Vt.
McCrosky Tool Corp., S. Main St., Meadville, Pa.
Mastur—See Maxwell Industries Inc
Maxwell Industries Inc 493 E Fifth St Ashtabula Ohio "E-Z" "Mastur"
Moline Tool Co 102 20th St Moline Ill "Hole Hog"
Mummert-Dixon Co Philadelphia & Gay Sts Hanover Pa "BulDog," "Quick Acting"
O K Tool Co Milford N H
Oneida Machine Tool Corp 2600 E Walnut St Oneida N Y "Casler"
Precision Tool & Mfg Co of Illinois 1305 S Laramie Ave Cicero 50 Ill "Deka-Bore"
Quick-Acting—See Mummert-Dixon Co.
R-S—See Rickert-Shafer Co.
Rickert-Shafer Co 613 W 11th St Erie Pa "R-S"

HEADS, Cylinder

Alcoa—See Aluminum Co. of America.
Almquist Engrg Co Milford Pa
Aluminum Co. of America 1501 Alcoa Bldg Pittsburgh 19 Pa "Alcoa" (Aluminum alloy)
Continental Motors Corp., Muskegon 82, Mich.
Detroit Gasket & Mfg. Co., 12640 Burt Rd., Detroit 23, Mich. "Steelbestos."
Edelbrock Equipment Co 4921 W Jefferson Blvd Los Angeles 16 Calif
Permold Co., 820 W. Liberty St., Medina, Ohio. (Aluminum.)
Steelbestos—See Detroit Gasket & Mfg. Co
Wohlert Corp., 700 E. Grand River Ave., Lansing 5, Mich.

HEADS, Dividing

Brown & Sharpe Mfg. Co., 235 Promenade St., Providence, R. I.
Burke—See U S-Burke Machine Tool Div
Griswold Co F T Lancaster Pike Wayne Pa "OPL" (Optically controlled)
Hartford Special Machinery Co 287 Homestead Ave Hartford 12 Conn
Kempsmith Machine Co., 1819 S. 71st St., West Allis 14, Wis.
Knight Machinery Co., W. B., 3920 W. Pine St., St. Louis 8, Mo.
OPL—See F. T. Griswold Co.
Taft-Peirce Mfg Co 32 Mechanic St Woonsocket R I
U S-Burke Machine Tool Div Cincinnati Mfg Corp Brotherton Rd Cincinnati 27 Ohio "Burke"

HEADS, Drilling

Barnes Drill Co., 826 Chestnut St., Rockford, Ill. "Barnesdrill."
Baush Machine Tool Co 156 Wason Ave Springfield 7 Mass
Bellows Co 222 W Market St Akron 9 Ohio
Bradford Machine Tool Co 722 Porter St Lansing 5 Mich (Automatic)
Burke Machine Tool Co Brotherton Rd Cincinnati 27 Ohio
Commander Mfg Co 4225 W Kinzie St Chicago 24 Ill (Adjustable)
Dumore Co 1300 17th St Racine Wis
Errington Mechanical Laboratory Inc 24 Norwood Ave Stapleton S I 4 N Y (Multiple spindle)
Govro-Nelson Co., 1931 Antoinette St., Detroit 8, Mich.
Hartford Special Machinery Co 287 Homestead Ave Hartford 12 Conn
Hause Machines Inc 809 S Pleasant St Montpelier Ohio
Jarvis Corp Middletown Conn (Multiple spindle)
Kingsbury Machine Tool Corp Laurel St Keene N H (Automatic)
Lamb Co F Jos 5663 E Nine Mile Rd Detroit 34 Mich
Michigan Special Machine Co 11449 Timken Ave Warren Mich
Morris Machine Tool Co 933 Harriet St Cincinnati 3 Ohio
Potter & Johnston Co 1027 Newport Ave Pawtucket R I
Root Co., B. M., Prospect & Sherman Sts., York, Pa.
Thomson Industries Inc 1029 Plandome Rd Manhasset N Y "Thriftmaster"
Thriftmaster—See Thomson Industries Inc
United States Drill Head Co., 616 Burns St., Cincinnati 4, Ohio. (Multiple spindle.)
Walker-Turner Div Rockwell Mfg Co 400 N Lexington Ave Pittsburgh 8 Pa
Wisconsin Drill Head Co 4987 N 12th St Butler Wis
Zagar Tool Inc 24000 Lakeland Blvd Cleveland 23 Ohio (Gearless)

HEADS, Tapping

Burg Tool Mfg Co 15001 S Figueroa St Los Angeles Calif "Burgmaster"
Errington Mechanical Laboratory Inc 24 Norwood Ave Stapleton S I 4 N Y (Multiple spindle)
Govro-Nelson Co 1931 Antoinette St Detroit 8 Mich
Hause Machines Inc 809 S Pleasant St Montpelier Ohio
Jarvis Corp Middletown Conn (Multiple spindle)
Kingsbury Machine Tool Corp Laurel St Keene N H (Automatic)
Michigan Special Machine Co 11449 Timken Ave Warren Mich
Procunier Safety Chuck Co., 18 S. Clinton St., Chicago 6, Ill.
Snow Mfg. Co., 435 Eastern Ave., Bellwood, Ill.
Wickman Mfg Co 10325 Capitol Ave Oak Park Detroit 37 Mich
Wisconsin Drill Head Co 4987 N 12th St Butler Wis

HEADS, Thread Rolling

National Acme Co 170 E 131st St Cleveland 8 Ohio "Acme-Felte" (Self-opening)

HEAT EXCHANGERS—See Exchangers, Heat

HEAT INDICATING GAGES, Water—See Gages, Water Temperature Indicating

HEAT TRANSFER EQUIPMENT—See Exchangers, Heat; also Intercoolers; also Heaters, Factory, etc.; also Radiators, Engine Cooling; also Regulators, Oil Temperature

HEAT TREATING—See Treating, Heat

HEAT TREATING COMPOUNDS—See Compounds, Heat Treating

HEAT TREATING FURNACES—See Furnaces, Heat Treating

HEAT TREATING MACHINES—See Machines, Heat Treating

HEATER EQUIPMENT—See Motors, Electric Automotive Use (FHP); also Parts and Fittings, Heater; also Switches, Heater; also Thermostats, Heater

HEATERS, Aircraft

Surface Combustion Corp Janitrol Aircraft Div 4200 Surface Rd Columbus 4 Ohio
Young Radiator Co 702 S Marquette St Racine Wis

HEATERS, Automobile, Truck, Bus and Trailer

Arvin Industries Inc 13th St & Big Four RR Columbus Ind (Hot water and hot air)
Bishop & Babcock Mfg. Co., 4901 Hamilton Ave., N. E., Cleveland 14, Ohio. (Hot water.)
Cargo Guard Co P O Box 1977 Thompson's Point Portland 2 Maine (LP-Gas for cargo)
Chicago Mfg. Co., 411 N. Trumbull Ave. Chicago, Ill. (Hot water.)
Eaton Mfg Co Heater Div E 65th St & Central Ave Cleveland 4 Ohio (Hot water)
Evans Products Co 13101 Eckles Rd Plymouth Mich (Hot water for trucks and buses; also heating and ventilating systems for trucks and buses)
G & O Mfg Co 138 Winchester Ave New Haven 8 Conn (To order)
HaDees Heater Products Huppower Div Hupp Corp 7450 Melville Ave Detroit 17 Mich
Hanlon & Wilson Co 321 Pennwood Ave Pittsburgh 21 Pa "Steely" (For Volkswagon cars)
Harrison Radiator Div., General Motors Corp., Washburn & Walnut Sts., Lockport, N. Y. (Hot water.)
Hunter Mfg Co 30525 Aurora Rd Solon Ohio (Gasoline burning)
Industrial Engrg Corp Vermillion S D "Load Warmer" (Cargo)
Kysor Heater Co., Haynes St., Cadillac, Mich. (Hot water for truck and bus.)
Laharco Industries Inc 721 Second Ave N Minneapolis 5 Minn "Temp-R-izer" (Cargo)
Load-Warmer—See Industrial Engrg Corp
Minit-Heat—See Stewart-Warner Corp
Perfection Industries Div of Hupp Corp 1135 Ivanhoe Rd Cleveland 10 Ohio
Preco Inc 6300 E Slauson Ave Los Angeles 24 Calif (Cargo)
Schofield Inc E L 216 Mill St Rockford Ill (Hot water)
Steely—See Hanlon & Wilson Co
Stewart-Warner Corp South Wind Div 1514 Drover St Indianapolis 7 Ind "South Wind" "Minit-Heat" (Gasoline burning, for cars and trucks)
Temp-R-izer—See Laharco Industries Inc
Thermo King Corp 314 W 90th St Minneapolis 20 Minn (Truck and trailer)
Torid-Aire—See Truck & Coach Heater Mfg Co
Truck & Coach Heater Mfg Co 2465 W Davison Ave Detroit 38 Mich "Torid-Aire" (Hot water)

HEATERS, Engine Pre-Heating (Permanent Type)

(Permanently installed in cooling system)

Clayton Mfg Co 401 N Temple City Blvd El Monte Calif "Summeraire"
Five Star Mfg Co Box 149 Clarksdale Miss "Freeman" (Electrical)
Flash—See Phillips Mfg Co
Freeman—See Five Star Mfg Co
Laharco Industries Inc 721 Second Ave N Minneapolis 5 Minn "Temp-R-izer"
Minit-Heat—See Stewart-Warner Corp
Perfection Industries Div of Hupp Corp 1135 Ivanhoe Rd Cleveland 10 Ohio (Oil and gasoline burning)
Phillips Mfg Co 2816 Aldrich Ave S Minneapolis 8 Minn "Flash" "Zero-Start" (Headbolt dipstick and external tank types)
Schauer Mfg Corp 4500 Alpine Ave Rossmoyne Ohio "Schauer Kar-Start"
South Wind—See Stewart-Warner Corp
Stewart-Warner Corp South Wind Div 1514 Drover St Indianapolis 7 Ind "South Wind" "Minit-Heat"
Summeraire—See Clayton Mfg Co
Temp-R-izer—See Laharco Industries Inc
Thermo-Temp Industries Inc 7700 Second Blvd Detroit 2 Mich
Young Radiator Co 709 S Marquette St Racine Wis
Zero-Start—See Phillips Mfg Co

HEATERS, Factory, Etc.

ABC—See American Standard Industrial Div
Airtherm Mfg Co 700 S Spring Ave St Louis 10 Mo (Unit steam warm air gas and oil)
American Standard Industrial Div Detroit 32 Mich "ABC" "Venturafin" (Unit)
Brubaker Mfg Co Broad St Landisville Pa "Keystone"
Buffalo Forge Co 490 Broadway Buffalo 4 N Y (Unit)
Carrier Corp Carrier Parkway Syracuse 1 N Y (Unit)
Clarage Fan Co., North & Porter Sts., Kalamazoo, Mich.
Counterflo—See Dravo Corp Machinery Div
Day & Night Mfg Co 855 Anaheim-Puente Rd La Puente Calif (Gas unit)
Dravo Corp Machinery Div Dravo Bldg Fifth & Liberty Aves Pittsburgh 22 Pa "Counterflo" (Gas or oil or combination)
Ewing Mfg Co 2545 N W 10th St Oklahoma City Okla "Little Demon" (Gas)
Fedders-Quigan Corp., 57 Tonawanda St. Buffalo 7, N. Y. (Unit.)
G-E—See General Electric Co
General Electric Co Apparatus Sales Div 1 River Rd Schenectady 5 N Y "G-E" (Electric)
Grid—See D. J. Murray Mfg. Co.
Grinnell Co., 260 W. Exchange St., Providence 1, R. I. "Thermoller." (Unit.)
Ilg Electric Ventilating Co 2850 N Pulaski Rd Chicago 41 Ill (Unit)
Keystone—See Brubaker Mfg. Co.
Little Demon—See Ewing Mfg Co
McCord Corp Riopelle at E Grand Blvd Detroit 11 Mich (Steam or hot water unit)
Modine Mfg. Co., 1500 De Koven Ave., Racine, Wis. (Unit.)
Murray Mfg. Co., D. J., 1002 Third St., Wausau, Wis. "Grid."
Overhead Heaters Inc 1612 Book Bldg Detroit 26 Mich "Shafconaire" (Oil and gas unit)
Perfection Industries Div of Hupp Corp 1135 Ivanhoe Rd Cleveland 10 Ohio (Oil)
Reznor Mfg Co 402 Jane St Mercer Pa (Gas unit)
Schofield Inc E L 2230 7th Ave Rockford Ill (Hot water)
Shafconaire—See Overhead Heaters Inc
Stow Mfg Co 443 State St Binghamton N Y
Thermoller—See Grinnell Co.
Trane Co 206 Cameron Ave La Crosse Wis
Vapor Heating Corp 80 E Jackson Blvd Chicago 4 Ill "Waikiki"
Venturafin—See American Standard Industrial Div
Vogt Bros Mfg Co 1402 W Main St Louisville 3 Ky (Portable)
Waikiki—See Vapor Heating Corp
Wanson Corp Charles & Juniata Sts Lewistown Pa

HEATERS, Factory, etc.—continued

Westinghouse Electric Corp., Sturtevant Div., 15 Damon St., Hyde Park, Boston 36, Mass.
Wing Mfg Co L J 57 Vreeland Mills Rd Linden N J "Wing" "Wing Utility" "Wing Featherweight" "Wing Revolving" (Unit)
Young Radiator Co., 709 S. Marquette St. Racine Wis (Unit)

HEATERS, Flywheel Gear

Greaves Machine Tool Div of J A Fay & Egan Co Eastern Ave & Hazen St Cincinnati 2 Ohio

HEATERS, Induction

(See also Furnaces, Induction Heating)

Allis-Chalmers Mfg Co Milwaukee 1 Wis
Cincinnati Milling Machine Co 4701 Marburg Ave Cincinnati 9 Ohio
Induction Heating Corp 181 Wythe Ave Brooklyn 11 N Y
Lindberg Engrg Co 2476 W Hubbard St Chicago 12 Ill
Magnethermic Corp 3990 Simon Rd Youngstown 7 Ohio
Ohio Crankshaft Co Tocco Div 4620 E 71st St Cleveland Ohio
Reeve Electronics Inc 605 W Lake St Chicago 6 Ill (Generators)
Welduction Corp 19400 W Eight Mile Rd Detroit 41 Mich
Westinghouse Electric Corp X-Ray & Electronics Div 2519 Wilkens Ave Baltimore 3 Md

HEATERS, Paint (Hot Spray)

Arco Co 7301 Bessemer Ave Cleveland 27 Ohio
Binks Mfg Co 3120 Carroll Ave Chicago 12 Ill
De Vilbiss Co 300 Phillips Ave Toledo 1 Ohio
Dualheet Inc 3350 W 137th St Cleveland 11 Ohio "Dualheet" "Thermalcup" "Thermalflo"
Nordson Corp Jackson St Amherst Ohio "Bede"
Spee-Flo Mfg Corp 6614 Harrisburg St Houston 11 Tex
Thermalcup—See Dualheet Inc
Thermaflo—See Dualheet Inc

HEATING LAMPS—See Lamps Drying Baking and Heating

HEIGHT GAGES—See Gages, Height

HELMETS, Sand Blasting and Welding

Air Reduction Sales Co Socony-Mobile Bldg 150 E 42nd St N Y 17 N Y (Welding)
American Optical Co Safety Products Div Mechanic St Southbridge Mass
Boyer-Campbell Co 6540 St Antoine St Detroit 2 Mich
Burdett Oxygen Co. of Cleveland, Inc., 3300 Lakeside Ave., Cleveland 14, Ohio. (Welding.)
Cesco—See Chicago Eye Shield Co.
Chicago Eye Shield Co 2727 W Roscoe St Chicago 18 Ill "Cesco"
Dockson Co., C. H., 3839 Wabash Ave., Detroit 8, Mich.
Hobart Bros Co Canal Locks Sq Troy 1 Ohio (Welding)
Lincoln Electric Co 22801 St Clair Ave Cleveland 17 Ohio (Welding)
M-S-A—See Mine Safety Appliances Co
Marquette Mfg. Co., 307 E. Hennepin Ave., Minneapolis 14, Minn. (Welding.)
Mine Safety Appliances Co 201 N Braddock Ave Pittsburgh 8 Pa "M-S-A" (Welding)
NCG—See National Cylinder Gas Div
National Cylinder Gas Div of Chemetron Corp 840 N Michigan Ave Chicago 1 Ill "NCG" (Welding)
Pangborn Corp., 200 Pangborn Blvd., Hagerstown, Md. (Sand blasting.)
Purair—See Sly Mfg. Co.
Ruemelin Mfg. Co., 3860 N. Palmer St., Milwaukee, Wis. (Sand blasting.)
Sly Mfg. Co., W. W., 4706 Train Ave., Cleveland, Ohio. "Purair." (Sand blasting.)
Trindl Products Ltd 1807 S Clark St Chicago 16 Ill
Wilson Products, Inc., Second & Washington Sts., Reading, Pa. (Welding.)

HINGES, Door (Auto)

American Forging & Socket Co P O Box 210 Pontiac Mich
Betts Machine Co 1800 Pennsylvania Ave W Warren Pa (Tank truck)
Cleveland—See H K Porter Co
Dura Corp Motor State Products Div 103 S River St Ypsilanti Mich
Ebernard Mfg. Co., Div. Eastern Malleable Iron Co., 2723 Tennyson Rd., Cleveland 4, Ohio. (Truck.)
Hansen Mfg. Co., A. L., 5037 Ravenswood Ave., Chicago 40, Ill. (Commercial body.)
Kason Hardware Corp 71 Wallabout St Brooklyn 11 N Y (Truck and trailer body)
Miner Inc W H 209 S La Salle St Chicago 4 Ill (For truck and trailer bodies)
Porter Co H K Forge & Fittings Div Cleveland Forge Works 3200 E 79th St Cleveland 4 Ohio "Cleveland" (Truck)
Press Products Co 1750 Stephenson Hwy Troy Mich
Soss Mfg Co 21777 Hoover Rd Detroit 13 Mich
Stanley Works (Pressed Metal Div.), 195 Lake St., New Britain, Conn.
Tompkins H S 183 Chambers St New York 7 N Y

HINGES, Hood

American Forging & Socket Co P O Box 210 Pontiac Mich
Chicago Forging & Mfg Co 2000 Southport Ave Chicago 14 Ill
Detroit Diamond—See Motor Products Corp.
Ferro Stamping Co 1367 Franklin St Detroit 7 Mich
Hancock Mfg. Co., 225 N. Horton St., Jackson, Mich.
Motor Products Corp., 11801 Mack Ave., Detroit, Mich. "Detroit Diamond."
Press Products Co 1750 Stephenson Hwy Troy Mich (Also deck lid)
Soss Mfg Co 21777 Hoover Rd Detroit 13 Mich
Stolper Steel Products Corp 300 Pilgrim Rd Menomonee Falls Wis

HITCHES, TRAILER—See Couplers, Trailer

HOB GRINDING MACHINES—See Machines, Grinding (Hob)

HOBBING MACHINES—See Machines, Gear Hobbing

HOBS, Gear

Barber-Colman Co., 1300 Rock St., Rockford, Ill.
Hanson-Whitney Machine Co 169 Bartholomew Ave Hartford 2 Conn
Illinite—See Illinois Tool Works
Illinois Tool Works 2501 N Keller Ave Chicago 39 Ill "Illinite"
Michigan Tool Co., 7171 McNichols Rd., E., Detroit 12 Mich
National Tool Co 11200 Madison Ave Cleveland 2 Ohio "National-Cleveland"
National Twist Drill & Tool Co., Rochester, Mich.
Standard Tool Co 3950 Chester Ave Cleveland 14 Ohio
Union Twist Drill Co., Monroe St., Athol, Mass.

HOBS, Thread Milling

Continental—See Ex-Cell-O Corp
Ex-Cell-O Corp Continental Tool Works Div 1200 Oakman Blvd Detroit 32 Mich "Continental"
Goddard & Goddard Co 12280 Burt Rd Detroit 23 Mich
HW—See Hanson-Whitney Co
Hanson-Whitney Co 169 Bartholomew Ave Hartford 2 Conn "HW"

HOISTS, CHAIN—See Blocks or Hoists, Chain

HOISTS, Electric

(See also Blocks or Hoists, Chain)

American Engineering Co Wheatsheaf Lane & Sepviva St Philadelphia 37 Pa "Lo-Hed"
Barrett-Cravens Co 630 Dundee Rd Northbrook Ill
Bearcat—See Harrington Co
Chester Hoist Div National Screw & Mfg Co Lisbon Ohio
Chisholm-Moore Hoist Div Columbus McKinnon Chain Corp Fremont Ave Tonawanda N Y "Lodestar" "Meteor"
Cleveland Crane & Engineering Co 5866 E 283rd St Wickliffe Ohio "Cleveland Tramrail"
Coffing Hoist Div Duff-Norton Co 800 Walter St Danville Ill "Quik-Lift"
Conco Engineering Works, Div. of H. D. Conkey & Co., Mendota, Ill.
Detroit Hoist & Machine Co 8216 Morrow St Detroit 11 Mich "Detroiter" "Titan"
Electro Lift Inc 204 Sargeant Ave Clifton N J
Harnischfeger Corp 4400 W National Ave Milwaukee 14 Wis "P & H"
Harrington Co Gravers Rd at Turnpike Plymouth Meeting Pa "Bearcat"
Hi-Lift—See Northern Engineering Works.
Load-Lifter—See Manning Maxwell & Moore Inc
Lodestar—See Chisholm-Moore Hoist Div
Lo-Hed—See American Engineering Co.
Manning Maxwell & Moore Inc Shaw-Box Crane & Hoist Div Park & Broadway Muskegon Mich "Load-Lifter"
Meteor—See Chisholm-Moore Hoist Div
Northern Engineering Works 210 Chene St Detroit 7 Mich "Hi-Lift"
Ohio Hoist Mfg Co 321 S Beaver St Lisbon O
P & H—See Harnischfeger Corp
Quik-Lift—See Coffing Hoist Div Duff-Norton Co
R & M—See Robbins & Myers, Inc.
Reading Crane & Hoist Corp 2140 Adams St Reading Pa
Robbins & Myers, Inc., 1345 Lagonda Ave., Springfield, Ohio. "R & M."
Round & Son David Box 883 Cleveland 22 Ohio
Sasgen Derrick Co 3101 W Grand Ave Chicago 22 Ill
Shepard Niles Crane & Hoist Corp Montour Falls N Y
Thomas Hoist Co 20 S Hoyne Ave Chicago 12 Ill
Titan—See Detroit Hoist & Machine Co
Wright Hoist Div. of American Chain & Cable Co., York, Pa.
Yale & Towne Mfg Co Yale Materials Handling Div 11000 Roosevelt Blvd Philadelphia 15 Pa

HOISTS, MONORAIL—See Cranes, Monorail

HOISTS, Pneumatic

Aro Equipment Corp Bryan Ohio
CP—See Chicago Pneumatic Tool Co
Chicago Pneumatic Tool Co 6 E 44th St N Y 17 N Y "CP" (Portable)
Curtis Mfg Co Pneumatic Div 1927 Kienlen Ave St Louis 20 Mo
Detroit Hoist & Machine Co 8216 Morrow St Detroit 11 Mich
Gardner-Denver Co S Front St Quincy Ill
Holmes Co., Ernest, 2505 E. 43rd St., Chattanooga, Tenn.
Ingersoll-Rand Co 11 Broadway New York 4 N Y
Master Power Corp Krick Rd Bedford Ohio
Northern Engineering Works 210 Chene St Detroit 7 Mich
Platz Co 20433 Sherwood Ave Detroit 34 Mich
Thor Power Tool Co 175 State St Aurora Ill
Yale & Towne Mfg Co Yale Materials Handling Div 11000 Roosevelt Blvd Philadelphia 15 Pa

HOISTS, Portable

(See also Cranes, Portable)

Hyster Co 2902 N E Clackamas St Portland 8 Ore
Manley Div Douglas Motors Inc 1234 N 62nd St Milwaukee 13 Wis
Manning Maxwell & Moore Inc Shaw-Box Crane & Hoist Div Park & Broadway Muskegon Mich
Sasgen Derrick Co., 3101 W. Grand Ave., Chicago 22, Ill.

HOISTS, Trailer Body

Galion Allsteel Body Co 605 S Market St Galion Ohio
Hercules Steel Products Co 500 Sherman St Galion Ohio

HOISTS, Truck Body

(Power and hand hoists for dumping bodies)

Anthony Co Streator Ill "Anthony Teleramic" (Hydraulic)
Aristocrat—See Truck Engrg Co
Cemco Industries Inc of Galion Ohio
Converto Mfg Co Third & Green Sts Cambridge City Ind
Cook Bros Equipment Co 3334 San Fernando Rd Los Angeles 65 Calif
Cresci & Son Inc Boulevard & Grape Sts Vineland N J
Daybrook Hydraulic Div Young Spring & Wire Corp Bowling Green Ohio "Daybrook Speedlift"
Galion Allsteel Body Co 605 S Market St Galion Ohio
Gar Wood Industries Inc Wayne Mich "Gar Wood-St Paul"
Glencoe—See Portable Elevator Mfg Co
Heil Co 3000 W Montana St Milwaukee 1 Wis (Hydraulic)
Hercules Steel Products Co 500 Sherman St Galion Ohio

Ingersoll Kalamazoo Div Borg-Warner Corp 1810 N Pitcher St Kalamazoo Mich "Load Lugger" (For detachable container bodies)
Little Giant Products Inc 1530 N Adams St Peoria 3 Ill (Hand)
Load Lugger—See Ingersoll Kalamazoo Div Borg-Warner Corp
Lundell Mfg Co Cherokee Iowa
Manning Maxwell & Moore Inc Shaw-Box Crane & Hoist Div Park & Broadway Muskegon Mich
Marion Metal Products Co Cheney Ave Marion Ohio (Hydraulic)
Minneapolis Freeman Mfg Co 5610 W 36th St Minneapolis 16 Minn
Obeco—See Omaha Body & Equipment Co
Omaha Body & Equipment Co 3015 Taylor St Omaha 11 Nebr "Obeco"
Omaha Standard 2401 W Broadway Council Bluffs Iowa (Hydraulic)
Penn Body Div Hockensmith Corp 1946 Penn St Penn Pa
Perfection Steel Body Co S East St Galion Ohio (Hydraulic)
Portable Elevator Mfg Co 920 E Grove St Bloomington Ill "Glencoe"
Schwartz Mfg Co Lester Prairie Minn (Also ramp hoist)
Truck Engrg Co 3200 E Pontiac St Fort Wayne 4 Ind "Aristocrat"
Weston Dump Body Co 326 W 11th St Des Moines 9 Iowa
Wisconsin Hydraulics Inc 3165 N 30th St Milwaukee 16 Wis

HOLDERS, Electrode

Chicago Tool & Engrg Co 8383 South Chicago Ave Chicago Ill
Lincoln Electric Co 22801 St Clair Ave Cleveland 17 Ohio
Mallory & Co P R 76 S Gray St Indianapolis 6 Ind "Nu Wrinkle Cap" "Mallory" (Resistance)
Marquette Mfg Co 307 E Hennepin Ave Minneapolis 14 Minn
Miller Electric Mfg Co 718 S Bounds St Appleton Wis
Nu Wrinkle Cap—See P R Mallory Co
Rod-Saver—See Martin Wells Inc
Suregrip—See Martin Wells Inc
Tolman Mfg Co 19 W Third St (South Boston) Boston 27 Mass
Tong-Grip—See Martin Wells Inc
Tweco Products Co Boston at Mosley Sts Wichita 1 Kan "Tweco" "Twecotong" "Tweco Hoi-Grip"
US Electric Welder Corp., 1258 Dorr St., Toledo 7, Ohio.
Wells Inc Martin 5886 Compton Ave Los Angeles 1 Calif "Rod Saver" "Suregrip" "Tong-Grip"

HOLDERS, Oil Barrel and Can

(For holding either round or square oil cans and so arranged that the can may be readily tipped and oil poured from it without lifting it)

Akron-Selle Co., High & Chestnut Sts., Akron 11, Ohio.
American Pulley Co 4200 Wissahickon Ave Philadelphia 29 Pa
Barrett-Cravens Co 630 Dundee Rd Northbrook Ill
Economy Engineering Co., 4511 W. Lake St., Chicago 24, Ill. "Red Rocker."
Ezmover—See Southwest Pump Co.
Ezmty—See Southwest Pump Co.
Fairbanks Co 393 Lafayette St N Y 3 N Y
Red Rocker—See Economy Engineering Co.
Sabin Machine Co., 6536 Carnegie Ave., Cleveland 3, Ohio.
Southwest Pump Co., First & Center Sts., Bonham, Tex. "Ezmty," "Ezmover."
West Bend Equipment Corp., 216 S. Water St., West Bend, Wis.

HOLDERS, Tool

(For lathe, planer, slotter and shaper) (See also Tools, Lathe, Planer, Slotter and Shaper)

Allegheny Ludlum Steel Corp Carmet Div Detroit 20 Mich "Carmet"
Apex Tool & Cutter Co., 235 Canal St., Shelton, Conn.
Armstrong Bros. Tool Co., 5200 W. Armstrong Ave Chicago 46 Ill
Boyar-Schultz Corp 2000 S 25th Ave Broadview Ill (Lathe)
Burg Tool Mfg Co 15001 S Figueroa St Los Angeles Calif "Tool-flex" (Floating)
Carboloy—See General Electric Co
Carmet—See Allegheny-Ludlum Steel Corp
Chip-Hog—See Gairing Tool Co
Clark Co., Robert H., 9330 Santa Monica Blvd., Beverly Hills, Calif.
Dexamatic—See Viking Tool Co
E-Z—See Maxwell Industries Inc
Eastern Machine Screw Corp Truman & Barclay Sts New Haven 6 Conn "H&G" (Self-centering for automatic screw machines, turret lathes, tapping machines and drill presses)
Erickson Tool Co 34350 Solon Rd Solon Ohio (Floating)
Falcon Tool Co P O Box 4605 Detroit 34 Mich "Kwiklok"
Firth Sterling Inc 3113 Forbes Ave Pittsburgh 30 Pa
Gairing Tool Co 21221 Hoover Rd Detroit 32 Mich "Chip-Hog" (Turret lathe)
General Electric Co Metallurgical Products Dept 11777 E Eight Mile Rd Detroit 32 Mich "Carboloy"
Globe Tools 3384 S Robertson Blvd Los Angeles 34 Calif
Graham Mfg. Co., 47 Bridge St., East Greenwich, R. I. (Knurl, for turret lathes.)
H&G—See Eastern Machine Screw Corp
Hy-Pro Tool Co 461 Mt Pleasant St New Bedford Mass
Jergens Tool Co 712 E 163rd St Cleveland 10 Ohio
Klamp-Lok—See Metal Carbides Corp
Kwiklok—See Falcon Tool Co
Lipe, Inc., W. C., 208 S. Geddes St., Syracuse, N. Y.
McCrosky Tool Corp., S. Main St., Meadville, Pa. (Lathe and turret.)
Matthews & Co Jas H 3942 Forbes St Pittsburgh 13 Pa
Maxwell Industries Inc 493 E Fifth St Ashtabula Ohio "E-Z" (For boring and facing "Uni-Max" for turning)
Metal Carbides Corp 107 E Indianola Ave Youngstown 7 Ohio "Klamp-Lok"
O K Tool Co Milford N H
Scully-Jones & Co 1977 S Rockwell St Chicago 8 Ill
Seibert & Sons Inc 1008 E 24th St Chenoa Ill "Seibert Shur Lock" (Floating)
South Bend Lathe Works 425 E Madison St South Bend 22 Ind
Tolman Mfg. Co., 19 W. Third St. (South Boston), Boston, Mass.
Tool-flex—See Burg Tool Mfg Co
Uni-Max—See Maxwell Industries Inc
V-R—See Vascoloy-Ramet Corp
Vascoloy-Ramet Corp 800 Market St Waukegan Ill "V-R" "Vascoloy-Ramet"
Viking Tool Co 1000 Nichols Rd Shelton Conn "Dexamatic"
W-S—See Wendt-Sonis Co
W-W—See Weiger-Weed & Co
Waukesha Cutting Tools Inc Midland & Pearl Sts Waukesha Wis
Weiger-Weed & Co (Div Fansteel Metallurgical Corp) 11644 Cloverdale Ave Detroit 4 Mich "W-W"
Wendt-Sonis Co Tenth & Collier Sts Hannibal Mo "W-S"
Wesson 12200 Woodward Heights Blvd Ferndale 20 Mich "Wesson Multicut" (Carbide)
Williams & Co., J. H., 400 Vulcan St., Buffalo 7, N. Y. (Lathe, for turning, boring, cutting, threading and knurling.)

HONES, Cylinder

(See also Machines, Honing [Cylinder])

Ammco Tools, Inc., 2100 Commonwealth Ave., North Chicago, Ill. (Engine and brake.)
Barnes Drill Co 826 Chestnut St Rockford Ill "Barnesdrill"
Barrett Equipment Co., 2101 Cass Ave., St. Louis 6, Mo. (Hydraulic and brake drum.)
Blue Point—See Snap-On Tools Corp
Hall-Toledo Inc 2931 South Ave Toledo 9 Ohio
Hole Hog—See Moline Tool Co
Hydrobrake—See Micromatic Hone Corp
Hydrohones—See Micromatic Hone Corp
Keystone Reamer & Tool Co., Millersburg, Pa.
Lisle Corp., 809 E. Main St., Clarinda, Iowa
Microhones—See Micromatic Hone Corp.
Micromatic Hone Corp 8100 Schoolcraft Ave Detroit 38 Mich "Hydrohone" "Odee-Hone" "Micromold" "Hydrobrake"
Micromold—See Micromatic Hone Corp
Moline Tool Co 102 20th St Moline Ill "Hole Hog"
Odee-Hone—See Micromatic Hone Corp
Snap-On Tools Corp 8046 28th Ave Kenosha Wis "Blue Point" (Brake)
Storm-Vulcan Inc 2225 Burbank St Dallas 19 Tex
Sunnen Products Co., 7910 Manchester Ave., St. Louis 17, Mo.
Van Norman Automotive Equip Co 3640 Main St Springfield 7 Mass

HONES, Small Bore

(For piston pins, brake cylinders, bushings, etc.)

Ammco Tools, Inc., 2100 Commonwealth Ave., North Chicago, Ill.
Beard Tool Co., L. O., Andrew & Mill Sts., Lancaster, Pa. (Brake cylinder, piston pin and king pin bushing.)
Blackhawk—See New Britain Machine Co
Brake-hone—See Precision Hone Co
Dow Mechanical Corp Thompsonville Conn "Unahone"
Herbrand Div Bingham-Herbrand Corp Lake & Stone Sts Fremont Ohio (Brake cylinder)
Honette—See Precision Hone Co.
Kent-Moore Organization Inc 28635 Mound Rd Warren Mich (Piston pin)
Keystone Reamer & Tool Co., Millersburg, Pa. (Piston pin.)
Lempco Products Inc 5490 Dunham Rd Bedford Ohio
Lisle Corp., 809 E. Main St., Clarinda, Iowa (Brake cylinder)
Micromatic Hone Corp 8100 Schoolcraft Ave Detroit 38 Mich
New Britain Machine Co Hand Tool Div South St New Britain Conn "Blackhawk" & "New Britain" (Brake cylinder)
Precision Hone Co 8618 Dearborn St **Detroit 17, Mich. "Honette."** (Piston pin, brake cylinder, bushing, etc.; "Brake-hone," brake cylinder.)
Reasor Mfg Co 13th & Indiana Ave St Charles Ill
Sunnen Products Co., 7910 Manchester Ave., St. Louis 17, Mo. (Piston pin.)
Unahone—See Dow Mechanical Corp
Wagner Electric Corp., 6400 Plymouth Ave., St Louis 33 Mo

HONING MACHINES—See Machines, Honing

HOOD PARTS—See Fasteners, Hood; Hinges, Hood; also Ventilators, Hood

HOODS, Engine

Ansted Corp 1428 W Henry St Indianapolis 7 Ind
Champion Sheet Metal Co 2 Squires St Cortland N Y (To order)
Chicago Mfg. Co., 411 N. Trumbull Ave., Chicago, Ill.
Cutler Metal Products Co., 1025 Line St., Camden, N. J.
K & B—See Kirk & Blum Mfg. Co.
Kirk & Blum Mfg Co 2120 Forrer St Cincinnati 9 Ohio "K & B"
Rex Metal Parts Co., 1295 W. 78th St., Cleveland 2, Ohio.
Stolper Steel Products Corp 300 Pilgrim Rd Menomonee Falls Wis
Western Metal Specialty Div Western Industries Inc 1213 N 62nd St Milwaukee 13 Wis
York Corrugating Co., Adams St. & W. Md R. R., York, Pa. (Truck.)
Youngstown Kitchens Div of American-Standard 605 S Ellsworth St Salem Ohio

HORNS, Electric

Air Shell—See Sparton Automotive Div
Auto-Lite—See Electric Auto-Lite Co
Delco-Remy Div General Motors Corp 2401 Columbus Ave Anderson Ind "Klaxon"
Do-Ray Lamp Co 1458 S Michigan Ave Chicago 5 Ill
Edwards Co., Norwalk, Conn.
Electric Auto-Lite Co Toledo 1 Ohio "Auto-Lite"
Hornet—See Sparton Automotive Div
Jubilee Mfg. Co., 1929 S. 20th St., Omaha 9, Neb.
Klaxon—See Delco-Remy Div., General Motors Corp.
Marvel—See Sparton Automotive Div
Multi-tone—See Jubilee Mfg. Co.
Sparton Automotive Div of Sparton Corp Jackson Mich "Air Shell" "Hornet" "Marvel" "Su Power" "Sparton" "Tornado" "Trumpet"
Su Power—See Sparton Automotive Div
Tornado—See Sparton Automotive Div
Trumpet—See Sparton Automotive Div

HORNS, Electric-Air

Sparton Automotive Div of Sparton Corp Jackson Mich "Tornado"
Tornado—See Sparton Automotive Div

HORNS, Pneumatic

Auto-Lite—See Electric Auto-Lite Co
Bendix-Westinghouse Automotive Air Brake Co., 901 Cleveland Rd., Elyria, Ohio.
Buell Mfg Co P O Box 206 Lyons Ill "Buell" & "Buell-Strombos"

HORNS, Pneumatic—continued

Electric Auto-Lite Co Toledo 1 Ohio "Auto-Lite"
General—See Western Products
Grover Products Co., 1221 S. Hope St., Los Angeles 15, Calif.
Kahlenberg Bros Co 1202 Monroe St Two Rivers Wis
Sparton Automotive Div of Sparton Corp Jackson Mich
Trico Products Co 817 Washington St Buffalo 3 N Y "Trico Claireon"
Wagner Electric Corp 6400 Plymouth Ave St Louis 33 Mo
Western Products 12906 S Halldale Ave Gardena Calif "General"
Yoder Mfg Co 1423 E 17th St Little Rock Ark (Wolf whistle and bulb type)

HORNS, Siren

(For ambulances, police and fire department apparatus)

Federal Sign & Signal Corp 8765 S State St Chicago 19 Ill (Also combination siren and warning light, for emergency and military vehicles)
Sireno Co 214 William St NY 38 N Y (Also combination siren and flashing red light)

HORNS, Vacuum Operated

Grover Products Co., 1221 S. Hope St., Los Angeles 15, Calif.
Trico Products Corp., 817 Washington St., Buffalo 3, N. Y. "Trico Claireon."

HORSES and TRESTLES, Adjustable

Ajax Mfg Corp of Wisconsin 1201 Michigan Blvd Racine Wis
Auto Specialties Mfg Co 643 Graves St St Joseph Mich
Bay Lift Div of Lifetime Products Corp Box 85 Canfield Ohio "Bay Rocker Head"
Bender Equipment Co J H 5430 Tweedy Blvd South Gate Calif
Big Four Industries Inc Mainville (Foster) Ohio
Blackhawk Mfg Co 5325 W Rogers St Milwaukee 46 Wis "Red Stallion"
Cochin Mfg Co 1440 E Grand Ave South San Francisco Calif "Easy"
Easy—See Cochin Mfg Co
Edgewater Automotive Div Auto Specialties Mfg Co St Joseph Mich "Fleet"
Fleet—See Edgewater Auto Div Auto Specialties Mfg Co
Globe Hoist Co E Mermaid Lane & Queen St Philadelphia 18 Pa
Hein-Werner Corp 1200 National Ave Waukesha Wis
Joyce-Cridland Co., 2027 E. First St., Dayton 3, Ohio
KRW—See K R Wilson Inc
Ken-Tool Mfg Co 768 E North St Akron 6 Ohio
Lempco Products, Inc., 5490 Dunham Rd., Hedford, Ohio.
Milwaukee Hydraulic Products Corp 800 S 108th St Milwaukee 14 Wis
Red Stallion—See Blackhawk Mfg Co
Templeton Kenly & Co Gardner Rd Broadview Ill "Simplex"
Simplex—See Templeton Kenly & Co
Vulcan Mfg Co 400 W Third St Winona Minn
Wagner Mfg Co 122 W 1st Cedar Falls Iowa
Walker Mfg Co of Wis 1201 Michigan Blvd Racine Wis
Weaver Mfg. Co., 2177 S. Ninth St., Springfield, Ill. (Horses.)
Wilson Inc K R Arcade N Y "KRW"

HOSE, Air Brake

Acme Rubber Mfg Co 115 Meade St Trenton N J
Aeroquip Corp 300 S East Ave Jackson Mich
Amcor—See American Coupling Corp
American Coupling Corp 2335 Goodrich St Ferndale 20 Mich "Amcor"
Anchor Coupling Co 342 N 4th St Libertyville Ill
Boston Woven Hose & Rubber Co 29 Hampshire St Cambridge Mass (P O Box 1071 Boston 3 Mass)
Crown Products Co 5722 S 77th St Ralston Neb
Dayton Rubber Co 2342 Riverview Ave Dayton Ohio
Electric Hose & Rubber Co 12th & Dure Sts Wilmington Del
Gates Rubber Co 999 S Broadway Denver 17 Colo
Haywood Industries P O Box 1004 Dayton 1 Ohio "Modac"
Hewitt-Robins Inc 666 Glenbrook Rd Stamford Conn "Monarch"
Modac—See Haywood Industries
Monarch—See Hewitt-Robins Inc
Porter Co H K Thermoid Div 200 Whitehead Rd Trenton 6 N J "Thermoid"
R/N—See Raybestos-Manhattan Inc Plastic Products Div
Raybestos-Manhattan Inc Plastic Products Div Monheim Pa "R/N"
Stratoflex Inc 220 Roberts St Cut-off Fort Worth Tex
Thermoid—See H K Porter Co Thermoid Div
Velvac Inc 3534 W Pierce St Milwaukee 15 Wis
Weatherhead Co Ft Wayne Div 128 W Washington Blvd Ft Wayne Ind

HOSE, Air, Pneumatic Tool (Armored)

(For air compressors and pneumatic tool service)

Mulconroy Co 54th & Jefferson Sts Philadelphia 31 Pa

HOSE, Air, Pneumatic Tool (Rubber and Fabric)

Ajax—See Hewitt-Robins Inc
Anchor Coupling Co 342 N Fourth St Libertyville Ill
Arno—See Cincinnati Rubber Mfg Co
CP—See Chicago Pneumatic Tool Co
Chicago Pneumatic Tool Co 6 E 44th St New York N Y "CP"
Cincinnati Rubber Mfg Co Franklin Ave Norwood Cincinnati 12 Ohio "Arno" "Cincinnatus" "Losant"
Condor—See Raybestos-Manhattan Inc
Conservo—See Hewitt-Robins Inc
Continental Rubber Works 1946 Liberty St Erie Pa "Liberty"
De Vilbiss Co 300 Phillips Ave Toledo 1 Ohio
Electric Hose & Rubber Co 12th & Dure Sts Wilmington Del
Goodrich Industrial Products Co B F **500 S Main St Akron 18 Ohio "Highflex"**
Goodyear Tire & Rubber Co., E. Market St., Akron 16, Ohio.
Hewitt-Robins Inc 666 Glenbrook Rd Stamford Conn "Ajax" "Conservo" "Hewitt" "Maltese Cross" & "Monarch"
Highflex—See B F Goodrich Industrial Products Co
Liberty—See Continental Rubber Works
Losant—See Cincinnati Rubber Mfg Co
Maltese Cross—See Hewitt-Robins Inc
Manhattan — See Raybestos-Manhattan Inc Manhattan Rubber Div
Mercer Rubber Co Hamilton Square N J
Monarch—See Hewitt-Robins Inc
Porter Co H K Thermoid Div Whitehead Rd Trenton 6 N J "Thermoid"
Raybestos-Manhattan Inc Manhattan Rubber Div 61 Willet St Passaic N J "Condor" "Manhattan"
Republic Rubber Div Lee Rubber & Tire Corp Albert St Youngstown 1 Ohio
Thermoid—See H K Porter Co Thermoid Div
Thor Power Tool Co 175 State St Aurora Ill
United States Air Compressor Co., 5300 Harvard Ave., Cleveland 5, Ohio.
United States Rubber Co., Rockefeller Center, 1230 Ave. of the Americas, New York 20, N. Y.

HOSE, Air, Tire Inflating (Rubber and Fabric)

Acme Air Appliance Co 205 Newman St Hackensack N J
Acme Rubber Mfg Co 115 Meade St Trenton N J
Balcrank, Inc., Disney St. near Marburg, Cincinnati, Ohio.
Boston Woven Hose & Rubber Co 29 Hampshire St Cambridge Mass (P O Box 1071 Boston 3 Mass)
Buckeye Rubber Products Inc 637 N Jackson St Lima Ohio
Champion Pneumatic Machinery Co 825 N Pleasant St Princeton Ill
Conservo—See Hewitt-Robins Inc
Continental Rubber Works 1946 Liberty St Erie Pa "Enduro" "Vitalic"
Crown Products Co 5722 S 77th St Ralston Neb
Dallas Mfg & Sales Co P O Box 7181 Dallas Tex "Guard-A"
Dayton Rubber Co 2342 Riverview Ave Dayton Ohio
De Vilbiss Co 300 Phillips Ave Toledo 1 Ohio
Electric Hose & Rubber Co 12th & Dure Sts Wilmington Del
Enduro—See Continental Rubber Works
Gates Rubber Co 999 S Broadway Denver 17 Colo "Gates Vulco"
Goodyear Tire & Rubber Co., E. Market St., Akron 16, Ohio.
Guard-A—See Dallas Mfg & Sales Co
Haywood Industries P O Box 1004 Dayton 1 Ohio "Modac"
Hewitt-Robins Inc 666 Glenbrook Rd Stamford Conn "Conservo" "Servall"
Hite Mfg Co 1916 Dayton Blvd North Chattanooga 5 Tenn.
Lincoln Engrg Co 4010 Goodfellow Blvd St Louis 20 Mo
Metal Hose & Tubing Co., W. Clinton St., Dover, N. J.
Modac—See Haywood Industries
Par—See Peters & Russell Inc
Peters & Russell Inc 501 W Liberty St Springfield 99 Ohio "Par"
Porter Co H K Thermoid Div 200 Whitehead Rd Trenton 6 N J "Thermoid"
Ridbo Laboratories Inc 211 E Harrison St Danville Ill
Servall—See Hewitt-Robins Inc
Swan Rubber Co 436 E Mansfield St Bucyrus Ohio
Thermoid—See H K Porter Co Thermoid Div
United States Rubber Co., Rockefeller Center, 1230 Ave. of the Americas, New York 20, N. Y.
Vitalic—See Continental Rubber Works
Weatherhead Co Ft Wayne Div 128 W Washington Blvd Fort Wayne Ind

HOSE, BOOSTER BRAKE—See Hose, Vacuum Brake

HOSE ASSEMBLIES

Weatherhead Co Fort Wayne Div 128 W Washington Blvd Fort Wayne Ind

HOSE, Car Heater

Acme Rubber Mfg Co 115 Meade St Trenton N J
Boston Woven Hose & Rubber Co 29 Hampshire St Cambridge Mass (P O Box 1071 Boston 3 Mass)
Buckeye Rubber Products Inc 637 N Jackson St Lima Ohio
Continental Rubber Works 1946 Liberty St Erie Pa
Crown Products Co 5722 S 77th St Ralston Neb
Dallas Mfg & Sales Co P O Box 7181 Dallas Tex "Guard-A"
Dayton Industrial Products Co 2001 N Janice Ave Melrose Park Ill
Durkee-Atwood Co 215 Seventh St NE Minneapolis 13 Minn
Electric Hose & Rubber Co 12th & Dure Sts Wilmington Del
Everhot Products Co 2001 W Carroll Ave Chicago 12 Ill
Gates Rubber Co 999 S Broadway Denver 17 Colo "Gates Vulco"
Goodrich Industrial Products Co B F 500 S Main St Akron 18 Ohio
Goodyear Tire & Rubber Co 1144 E Market St Akron 16 Ohio
Guard-A—See Dallas Mfg & Sales Co
Haywood Industries P O Box 1004 Dayton 1 Ohio "Modac"
Hewitt-Robins Inc 666 Glenbrook Rd Stamford Conn
Modac—See Haywood Industries
Porter Co H K Thermoid Div 200 Whitehead St Trenton 6 N J "Thermoid"
Ridbo Laboratories Inc 211 E Harrison St Danville Ill
Standard Products Co 2130 W 110th St Cleveland 2 Ohio
Swan Rubber Co., 436 E. Mansfield St., Bucyrus, Ohio.
Thermoid—See H K Porter Co Thermoid Div

HOSE, Defroster

Acme Rubber Mfg Co 115 Mead St Trenton N J
Everflex—See Everhot Products Co
Everhot Products Co 2001 W Carroll **Ave Chicago 12 Ill "Everflex"**
Lightnin—See R J Loock & Co
Loock & Co R J 343 N Gay St Baltimore Md "Lightnin"
Ohio Rubber Co 300 Ben Hur Ave Willoughby Ohio "Orco"
Orco—See Ohio Rubber Co
Wiremold Co Railroad Ave Hartford 10 Conn

HOSE, EXHAUST — See Tubing, Flexible Metallic

HOSE, Fire

Ajax—See Hewitt-Robins Inc
American-La France-Foamite Corp 157 E La France St Elmira N Y

Cincinnati Rubber Mfg. Co., Franklin Ave., Norwood, Cincinnati 12, Ohio. "Cincinnatus."
Cincinnatus—See Cincinnati Rubber Mfg Co
Eureka—See United States Rubber Co
General Fire Extinguisher Corp 6801 Rising Sun Ave Philadelphia 11 Pa "General Innerflex"
Goodyear Tire & Rubber Co., E. Market St. Akron 16, Ohio.
Hewitt-Robins Inc 666 Glenbrook Rd Stamford Conn "Ajax" "Hewcron" "Hewrolite" "Maltese Cross" "Monarch"
Maltese Cross—See Hewitt-Robins Inc
Manhattan — See Raybestos-Manhattan Inc Manhattan Rubber Div
Monarch—See Hewitt-Robins Inc
Raybestos-Manhattan, Inc., Manhattan Rubber Div., 61 Willet St., Passaic, N. J "Manhattan."
Seco Mfg Inc 4461 W Jefferson Ave Detroit 9 Mich
United States Rubber Co., Rockefeller Center, 1230 Ave. of the Americas, New York 20, N. Y. "Eureka."

HOSE, FLEXIBLE METALLIC—See Tubing, Flexible Metallic

HOSE, FLEXIBLE SYNTHETIC RESIN — See Tubing, Synthetic Material

HOSE, Hydraulic Brake

Acme Rubber Mfg Co 115 Meade St Trenton N J
Aeroquip Corp 300 S East Ave Jackson Mich
Anchor Coupling Co 342 N 4th St Libertyville Ill
Bendix Products Div., Bendix Aviation Corp., 401 Bendix Drive, South Bend 20, Ind "Bendix B-K."
Delco—See Inland Mfg. Div.-General Motors Corp.
Eis Automotive Corp., Middletown, Conn.
Everflex—See Everhot Products Co
Everhot Products Co 2001 W Carroll Ave Chicago 12 Ill "Everflex"
Excello Accessories Manufacturers Inc 81 Madison Ave Hempstead N Y
Flexonics Corp Automotive Div 2021 S Latham St Memphis Tenn "Flexon"
Goodrich Industrial Products Co B F 500 S Main St Akron 18 Ohio
Grizzly Mfg. Co., 700 W. Caroline St., Paulding, Ohio.
Inland Mfg. Div.-General Motors Corp., 2727 Inland Ave., Dayton 1, Ohio. "Delco."
Lisle Corp Brake Div 805 E Main St Clarinda Iowa
Master Parts Div Airtex Products Inc Fairfield Ill
Motive Equipment Mfrs., Inc., 5253 Roosevelt Rd., Chicago 50, Ill. "Pilot."
Mulconroy Co 54th & Jefferson Sts Philadelphia 31 Pa
National Ignition Mfg. Co., 521 W. 23rd St., New York 11, N. Y. "Nimco."
Nimco—See National Ignition Mfg. Co.
Pilot—See Motive Equipment Mfrs., Inc.
Planet Metal Products Corp 964 Dean St Brooklyn 16 N Y
Porter Co H K Thermoid Div 200 Whitehead Rd Trenton 6 N J "Thermoid" (Booster)
Preferred Electric & Wire Co Bush Terminal Bldg No 8 Brooklyn 32 N Y
Stratoflex Inc 220 Roberts St Cut-off Ft Worth Tex
Thermoid—See H K Porter Co Thermoid Div
United States Rubber Co., Rockefeller Center, 1230 Ave. of the Americas, New York 20, N. Y.
Wagner Electric Corp., 6400 Plymouth Ave. St Louis 33 Mo
Weatherhead Co Ft Wayne Div 128 W Washington Blvd Ft Wayne Ind
Wohlert Corp 700 E Grand River Ave Lansing 5 Mich

HOSE, Hydraulic (Window Lifts, Folding Tops, Seats, Power Steering, etc.)

Flexonics Corp Automotive Div 2021 S Latham St Memphis Tenn "Flexon"
Inland Mfg Div General Motors Corp 2727 Inland Ave Dayton 1 Ohio (Power steering)
Weatherhead Co Ft Wayne Div 128 W Washington Blvd Ft Wayne Ind

HOSE, OIL LINE—See Tubing, Oil and Gasoline Line

HOSE, POWER STEERING—See Hose, Hydraulic (Window Lifts, Folding Tops, Seats, Power Steering, etc.)

HOSE, Radiator

Acme Rubber Mfg Co 115 Meade St Trenton N J "Acme Flexrite"
Anchor Packing Co., 401 N. Broad St., Philadelphia 8, Pa. "Ankorite."
Ankorite—See Anchor Packing Co.
Badger Mfg Corp 1501 W Polk St Chicago 7 Ill (Chrome)
Buckeye Rubber Products Inc 637 N Jackson St Lima Ohio
Camel—See H B Egan Mfg Co
Continental Rubber Works 1946 Liberty St Erie Pa "Vitalic"
Cooper Tire & Rubber Co., Lima & Western Aves., Findlay, Ohio.
Crown Products Co 5722 S 77th St Ralston Neb
Crushproof Tubing Co 312 Park Blvd Cleveland 14 Ohio
Dallas Mfg & Sales Co P O Box 7181 Dallas Tex "Guard A"
Dayton Industrial Products Co 2001 Janice Ave Melrose Park Ill
Durkee-Atwood Co 215 Seventh St N E Minneapolis 13 Minn "Kwik-Flex" (Flexible)
Egan Mfg Co H B P O Box 1406 Muskogee Okla "Camel" (Flexible)
Everflex—See Everhot Products Co.
Everhot Products Co., 2001 W. Carroll Ave., Chicago 12, Ill. "Everflex." (Bendable.)
Firestone Industrial Products Co Noblesville Ind
Gates Rubber Co 999 S Broadway Denver 17 Colo "Gates Vulco"
Globe Rubber Products Corp 3333 N Lawrence St Philadelphia 40 Pa
Goodrich Industrial Products Co B F 500 S Main St Akron 18 Ohio
Goodyear Tire & Rubber Co E Market St Akron 16 Ohio
Gripper—See Rawhide Products Co
Guard A—See Dallas Mfg & Sales Co
Haywood Industries P O Box 1004 Dayton 1 Ohio "Modac"
J-M—See Johns-Manville
Johns-Manville 22 E 40th St New York N Y "J-M"
Kwik-Flex—See Durkee-Atwood Co
Metal Hose & Tubing Co W Clinton St Dover N J
Modac—See Haywood Industries
Moore & Co., Samuel, Mantua, Ohio "Rub-Bub."
Porter Co H K Thermoid Div 200 Whitehead Rd Trenton 6 N J "Thermoid"
Rawhide Products Co., Michigan Ave., Kenilworth, N. J. "Gripper"
Ridbo Laboratories Inc 211 E Harrison St Danville Ill "V-T" (Flexible)
Rub-Bub—See Samuel Moore & Co
Snyder & Son Inc M L 1827 E York St Philadelphia 25 Pa "Snyder Standard"
Thermoid—See H K Porter Co Thermoid Div
United States Rubber Co., Rockefeller Center, 1230 Ave. of the Americas, New York 20, N. Y.
V-T—See Ridbo Laboratories Inc
Vitalic—See Continental Rubber Works.

HOSE, Vacuum Brake

Acme Rubber Mfg Co 115 Meade St Trenton N J
Aeroquip Corp 300 S East Ave Jackson Mich
Ajax—See Hewitt-Robins Inc
Bendix Products Div Bendix Aviation Corp South Bend 20 Ind
Boston Woven Hose & Rubber Co 29 Hampshire St Cambridge Mass (P O Box 1071 Boston 3 Mass)
Continental Rubber Works 1946 Liberty St Erie Pa "Vitalic"
Dallas Mfg & Sales Co P O Box 7181 Dallas Tex "Guard-A"
Dayton Rubber Co 2342 Riverview Ave Dayton Ohio
Electric Hose & Rubber Co 12th & Dure Sts Wilmington Del
Gates Rubber Co 999 S Broadway Denver 17 Colo "Gates Vulco"
Guard-A—See Dallas Mfg & Sales Co
Haywood Industries P O Box 1004 Dayton 1 Ohio "Modac"
Hewitt-Robins Inc 666 Glenbrook Rd Stamford Conn "Monarch" "Ajax"
Imperial Brass Mfg Co 6300 W Howard St Chicago 31 Ill
Modac—See Haywood Industries
Monarch—See Hewitt-Robins Inc
Porter Co H K Thermoid Div 200 Whitehead Rd Trenton 6 N J "Thermoid"
Thermoid—See H K Porter Co Thermoid Div
United States Rubber Co., Rockefeller Center, 1230 Ave. of the Americas, New York 20, N. Y.
Velvac Inc 3534 W Pierce St Milwaukee 15 Wis
Vitalic—See Continental Rubber Works.

HOSE, Welding

(See also Cable, Welding)

Acme Rubber Mfg Co 115 Meade St Trenton N J
Aeroquip Corp 300 S East Ave Jackson Mich
Airco-Twin—See Air Reduction Sales Co.
Air Reduction Sales Co Socony-Mobil Bldg 150 E 42nd St N Y 17 N Y "Airco-Twin"
Boston Woven Hose & Rubber Co 29 Hampshire St Cambridge Mass (P O Box 1071 Boston 3 Mass)
Burdett Oxygen Co. of Cleveland, Inc., 3300 Lakeside Ave., Cleveland 14, Ohio. "Burdox."
Burdox—See Burdett Oxygen Co. of Cleveland, Inc.
Cincinnati Rubber Mfg Co Franklin Ave Norwood Cincinnati 12 Ohio "Losant"
Conservo—See Hewitt-Robins Inc
Continental Rubber Works 1946 Liberty St Erie Pa "Liberty"
Dayton Rubber Co 2342 Riverview Ave Dayton Ohio
Electric Hose & Rubber Co 12th & Dure Sts Wilmington Del
Gates Rubber Co., 999 S. Broadway, Denver 17, Colo. "Gates Vulco."
Goodrich Industrial Products Co B F 500 S Main St Akron 18 Ohio
Goodyear Tire & Rubber Co., E. Market St., Akron 16, Ohio.
Haywood Industries P O Box 1004 Dayton 1 Ohio "Modac"
Hewitt-Robins Inc 666 Glenbrook Rd Stamford Conn "Conservo" "Twinweld"
Liberty—See Continental Rubber Works
Linde Co 30 E 42nd St New York 17 N Y "Oxweld" (Rubber)
Losant—See Cincinnati Rubber Mfg. Co.
Manhattan—See Raybestos-Manhattan, Inc., Manhattan Rubber Div
Modac—See Haywood Industries
Mulconroy Co., 54th & Jefferson Sts. Philadelphia 31, Pa. (Oxy-acetylene.)
NCG—See National Cylinder Gas Div
National Cylinder Gas Div of Chemetron Corp 840 N Michigan Ave Chicago 11 Ill "NCG"
Oxweld—See Linde Co
Porter Co H K Thermoid Div 200 Whitehead Rd Trenton 6 N J "Thermoid"
Raybestos-Manhattan, Inc., Manhattan Rubber Div., 61 Willet St., Passaic, N. J "Manhattan."
Republic Rubber Div Lee Rubber & Tire Corp Albert St Youngstown 1 Ohio
Smith Welding Equipment Corp 2633 4th St S E Minneapolis 14 Minn
Snyder & Son Inc M L 1827 E York St Philadelphia 25 Pa "Snyder Standard"
Thermoid—See H K Porter Co Thermoid Div
Twinweld—See Hewitt-Robins Inc
United States Rubber Co., Rockefeller Center, 1230 Ave. of the Americas, New York 20, N. Y.

HOT IDLE ENGINE COMPENSATORS—See Compensators, Hot Idle (For Engines)

HOUSINGS, Axle

American Metal Products Co 5959 Linsdale Ave Detroit 4 Mich
Clark Equipment Co Automotive Div Buchanan 2 Mich (Rear)
Crosby Co 183 Pratt St Buffalo 5 N Y
Republic Steel Corp Pressed Steel Div 6100 Truscon Ave Cleveland 27 Ohio

HUB CAPS—See Caps, Hub

HUB FLANGES, PRESSED STEEL — See Flanges, Hub (Pressed Steel)

HUB ODOMETERS—See Meters or Odometers, Distance Recording

HUBS, STEERING GEAR—See Parts, Steering Gear

HUBS, Wheel

(For hub flanges—see Flanges, Hub [Pressed Steel])

Budd Co 2450 Hunting Park Ave Philadelphia 32 Pa
Dualmatic Products Co P O Box 419 Longmont Colo (Selective drive for trucks)
Kay-Brunner Steel Products Inc 999 Meridian Ave Alhambra Cal (For truck trailers)
Kelly Mfg Co 503 Broad St Charleston 31 W Va (Locking)
Kelsey-Hayes Co 3600 Military Ave Detroit 32 Mich
Motor Wheel Corp 735 E Saginaw St Lansing 3 Mich

HUBS, Wheel—continued

Shuler Axle Co., 2901 S. Second St., Louisville 8, Ky.
Watson Co H S 1316 67th St Emeryville 8 Calif "Watson Lockout" (Front free wheeling)

HUMIDITY REGULATORS—See Regulators, Humidity

HYDRAULIC COUPLINGS — See Couplings, Fluid (Machinery)

HYDRAULIC CYLINDERS—See Cylinders, Air and Hydraulic

HYDRAULIC FLUID—See Fluid, Hydraulic

HYDRAULIC FLUID FILTERS—See Filters, Hydraulic Fluid

HYDRAULIC HOSE ASSEMBLIES—See Hose Assemblies, Hydraulic

HYDRAULIC MOTORS — See Motors, Hydraulic

HYDRAULIC OILS—See Fluid, Hydraulic

HYDRAULIC PUMPS—See Pumps, Hydraulic

HYDRAULIC VALVES—See Valves, Hydraulic

HYDROGEN GAS—See Gas, Hydrogen (In Cylinders and Tanks)

IGNITION COIL WINDINGS—See Windings, Ignition Coil

IGNITION RESISTORS—See Resistors, Ignition

IGNITION SYSTEMS, BATTERY—See Systems, Ignition (Complete)

IGNITION SYSTEMS, EMERGENCY — See Systems, Ignition (Emergency)

IMPACT WRENCHES—See Wrenches, Portable Electric; also Wrenches, Portable Pneumatic

IMPELLERS, WATER PUMP — See Parts, Water Pump

INDEX CENTERS—See Heads, Dividing

INDICATORS, COMBUSTION—See Analyzers, Combustion

INDICATORS, Speed (Machinery)

(See also Tachometers, Speed; also Counters, Revolution [Machinery])

Biddle Co James G 1316 Arch St Philadelphia 7 Pa "Jagabi"
Bristol Co Waterbury 20 Conn
Brown & Sharpe Mfg. Co., 235 Promenade St., Providence, R. I.
Jagabi—See James G Biddle Co
Martindale Electric Co., 1340 Hird Ave., Cleveland 7, Ohio.
Millers Falls Co 57 Wells St Greenfield Mass
O-Z—See O. Zernickow Co.
Standco—See Herman H. Sticht Co.
Sticht Co., Herman H., 27 Park Place, New York, N. Y. "Standco."
United States Taximeter Co., 514 W. 54th St., New York 19, N. Y.
Veeder-Root, Inc., 20 Sargeant St., Hartford 2, Conn.
Weston Instruments Div of Daystron Inc 614 Frelinghuysen Ave Newark 12 N J
Zernickow Co O 15 Park Row New York 38 N Y "O-Z"

INDUCTION HEATERS — See Heaters, Induction

INDUCTION HEATING FURNACES — See Furnaces, Induction Heating

INDUSTRIAL BRAKES—See Brakes, Industrial

INDUSTRIAL PUSHBUTTONS — See Pushbuttons, Industrial

INFLATORS, TIRE—See Compressors, Air; Gages, Chuck (Tire Inflating)

INITIALS, ORNAMENTAL—See Monograms, Initials and Emblems, Ornamental

INJECTION MOLDING PRESSES — See Presses, Injection Molding

INJECTION SYSTEMS, Diesel and Gasoline Engine

Allis-Chalmers Mfg Co Milwaukee 1 Wis
American Bosch Div American Bosch Arma Corp 3664 Main St Springfield 7 Mass (Diesel pumps)
Bendix—See Scintilla Div Bendix Aviation Corp
CAV Fuel Injection Equipment Div of Lucas Electrical Services Inc 14820 Detroit Ave Cleveland 7 Ohio (Diesel, imported)
Diesel Equipment Div., General Motors Corp., 2100 Burlingame Ave., S. W., Grand Rapids 2, Mich.
Hartford Machine Screw Co P O Box 1440 Hartford 2 Conn "Roosa-Master" (Diesel)
Holley Carburetor Co 11955 E Nine Mile Rd Warren Mich
Marvel-Schebler Products Div Borg-Warner Corp Decatur Ill (Gasoline)
Rochester Products Div General Motors Corp 1000 Lexington Ave Rochester 3 N Y (Gasoline)
Roosa-Master—See Hartford Machine Screw Co
Scintilla Div Bendix Aviation Corp Sidney N Y "Bendix" (Diesel)
Simmonds Aerocessories Inc 105 White Plains Rd Tarrytown N Y (Gasoline)

INSERTS, CLUTCH—See Corks, Brake and Clutch Insert

INSERTS, Screw Thread

Groov-Pin Corp 1125 Hendricks Causeway Ridgefield N J
Heli-Coil Corp Shelter Rock Lane Danbury Conn "Heli-Coil" "Screw-Lock"
Hi-Shear Rivet Tool Co 2600 W 247th St Torrance Calif
Keenserts—See Newton Insert Co
Newton Insert Co 6500 Avalon Blvd Los Angeles 3 Calif "Keenserts"
Nylok Corp 611 Industrial Ave Paramus N J
Rosan Inc 2901 W Coast Highway Newport Beach Calif
Roylyn Inc 620 Paula Ave Glendale 1 Calif "Weg" (Sole distributors Airaterra 620 Paula Ave Glendale 1 Calif)
Screw-Lock—See Heli-Coil Corp
South Chester Corp Southco Div 228 Industrial Highway Lester Pa "Southco"
Southco—See South Chester Corp
Weg—See Roylyn Inc

INSERTS, Spring Leaf

(To eliminate interleaf friction need for oiling between leaf springs and to avoid squeaks)

Davis Auto Equipment Co Mono-Flex Spring Div 119 N 3rd St Reading Pa "Mono-Flex"
Detroit Gasket & Mfg Co 12640 Burt Rd Detroit 23 Mich "Dee-Gee"
Georgia Webbing & Tape Co Tarbottom Ga
Mono-Flex—See Davis Auto Equip Co
O & S Bearing & Mfg Co 777 W 8 Mile Rd Whitmore Lake Mich
Watson Co., John Warren, 1924 Hunting Park Ave., Philadelphia 40, Pa. "Watson Silenite Damperleaves."
World Bestos Div of Firestone Tire & Rubber Co 1112 S 25th St New Castle Ind

INSPECTION MACHINES FOR MASS PRODUCTION OF PARTS—See Machines, X-Ray

INSPECTORS' TEST GAGES—See Gages, Inspection or Manufacturing

INSTRUMENT BOARDS—See Boards, Instrument

INSTRUMENT DIALS—See Dials, Instrument

INSTRUMENT PANEL LAMPS—See Lamps, Instrument Panel

INSTRUMENT PANELS—See Panels, Instrument

INSTRUMENTS, Abrasive Testing

(For grinding wheels, hones, etc.)

Accelerotor—See Atlas Electric Devices Co
Atlas Electric Devices Co 4114 N Ravenswood Ave Chicago 13 Ill "Accelerotor"
(For seat covers etc)
Hanchett Mfg. Co., 906 N. State St., Big Rapids, Mich.

INSTRUMENTS, Distributor Testing

Allen Electric & Equipment Co., 2101 N Pitcher St., Kalamazoo 13F, Mich. "Syncrograph."
Electro Products Co., 445 E. 189th St., New York 58, N. Y.
Herbrand Div Bingham-Herbrand Corp Lake & Stone Sts Fremont Ohio
Kal-Equip Co 411 Washington St Otsego Mich "Kal-Dwell"
King Electric Equipment Co 9123 Inman Av Cleveland 5 Ohio
Motoraide Corp 2400 Emerald St Philadelphia 25 Pa
Sun Electric Corp., 6323 Avondale Ave., Chicago 31, Ill.
Syncrograph—See Allen Electric & Equipment Co.
Weidenhoff Corp Algona Iowa
Wells Mfg Corp 12 S Brooke St Fond du Lac Wis

INSTRUMENTS, Electrical Circuit Testing

(See also Analyzers, Engine and Electric Equipment, also Stands, Electric Test)

Acroset—See Electro Products Co.
Allen Electric & Equipment Co., 2101 N Pitcher St., Kalamazoo 13F, Mich.
Arrow Armature Co 15 Fordham Rd Boston 34 Mass
Auto-Test Inc 600 S Michigan Ave Chicago 5 Ill "Auto-Tong"
Auto-Tong—See Auto-Test Inc
B & G—See Berg-Gibson Mfg. Co.
Berg-Gibson Mfg. Co., 817 E. 17th St., Kansas City 8, Mo. "B & G."
Bristol Co Waterbury 20 Conn
Collmaster—See Electro Products Co.
Crumbliss Mfg Co 3830 N Podlin Drive Franklin Park Ill
Electro Products Co 445 E 189th St New York 58 N Y "Trouble Shooter" "Acroset" "Collmaster"
Exide Sales Automotive Div Electric Storage Battery Co P O Box 6266 Cleveland 1 Ohio
G-E—See General Electric Co
General Electric Co Apparatus Sales Div 1 River Rd Schenectady 5 N Y "G-E"
Graham Research Inc 666 22nd Ave N E Minneapolis 18 Minn
Hanson Co Harvey E Lake Blvd & Commercial St Paw Paw Mich
Herbrand Div Bingham-Herbrand Corp Lake & Stone Sts Fremont Ohio
Hoyt Electrical Instrument Works Inc 42 Carleton St Cambridge 42 Mass (Sole distributors Burton-Rogers Co 42 Carleton St Cambridge 42 Mass)
Ideal Industries, Inc., 1014 Park Ave., Sycamore, Ill.
International Products & Mfg Co 850 N Ogden Ave Chicago 22 Ill (For voltage regulators and generators armatures and field coils)
KRW—See K R Wilson Inc
Kal-Equip Co 411 Washington St Otsego Mich "Kal-Reg" "Kal-Spark" "Kal-Tunemaster"
Kennedy Service Tools Co 788 Evans Ave Akron 5 Ohio
King Electric Equipment Co 9123 Inman Av Cleveland 5 Ohio
Machined Parts Corp., 6209 Hamilton Ave., Detroit 2, Mich. "Mapco."
Mapco—See Machined Parts Corp.
Martindale Electric Co., 1340 Hird Ave., Cleveland 7, Ohio.
Mercury Electric Co 719 Wyandotte St Kansas City Mo
Motoraide Corp 2400 Emerald St Philadelphia 25 Pa
Nemco-Speedex Mfg Co Div of GC Textron Inc 418 S Wyman St Rockford Ill "Ne-O-Lite"
Ne-O-Lite—See Nemco-Speedex Mfg Co
Newnan Machine Co 28 James St East Providence R I "Nu-Ma-Co"
Niehoff & Co., C. E., 4925 W. Lawrence Ave., Chicago 30, Ill.
Nu-Ma-Co—See Newnan Machine Co
Schauer Mfg Corp 4500 Alpine Ave Rossmoyne Ohio
Silver Beauty—See Triple-A-Specialty Co.
Snap-On Tools Corp 8046 28th Ave Kenosha Wis
Sun Electric Corp., 6323 Avondale Ave., Chicago 31, Ill.
T. & H. Mfg. Co., 811 E. 31st St., Kansas City 3, Mo.
Triple-A-Specialty Co 2835 N Western Ave Chicago 18 Ill "Silver Beauty"
Trouble Shooter—See Electro Products Co.
Trucut—See Frank N. Wood Co.
Turnco—See Turnsignal Co
Turnsignal Co 2720 W Susquehanna Ave Philadelphia 22 Pa "Turnco"
Weidenhoff Corp Algona Iowa
Wells Mfg Corp 12 S Brooke St Fond du Lac Wis
Willard Sales Automotive Div Electric Storage Battery Co P O Box 6266 Cleveland 1 Ohio
Wilson Inc K R Arcade N Y "KRW"
Wood Co., Frank N., 344 W. Main St., Waukesha, Wis. "Trucut." (Armature testers.)

INSTRUMENTS, Engine Testing (Factory)

(Including manographs, oscillographs, etc.)

Bristol Co Waterbury 20 Conn
Crosby Steam Gage & Valve Co., 10 Roland St., Boston 29, Mass.
Dynagage—See Photocon Research Products.
Photocon Research Products 421 N Altadena Dr Pasadena 8 Calif "Dynagage" (For static and dynamic pressure)

INSTRUMENTS, Gear Testing

Fellows Gear Shaper Co 78 River St Springfield Vt

INSTRUMENTS, Metal Testing

(See also Machines, Testing [Metal])

Baldwin-Lima-Hamilton Corp Philadelphia National Bank Bldg Philadelphia 7 Pa "SR-4"
Brush Instrument Div of Clevite Corp 37th St & Perkins Ave Cleveland 14 Ohio
General Electric Co Apparatus Sales Div 1 River Rd Schenectady 5 NY
SR-4—See Baldwin-Lima-Hamilton Corp

INSTRUMENTS, OIL TESTING—See Viscosimeters

INSTRUMENTS, Precision Measuring, for Machine Tools

Griswold Co., F. T., 305 W. Lancaster Ave., Wayne, Pa. "Scan-A-Scale." (Linear measuring.)

INSTRUMENTS, Precision Measuring for Production

Anderometer—See Micrometrical Mfg Co
Autopairer—See Electro-Autosizing Machine Div
Cleveland Instrument Co 6220 E Schaaf Rd Cleveland 31 Ohio "Par-Ac" (For dimentional gaging)
Electro-Autosizing Machine Div Industrial Gauges Corp 1500 The Plaza West Englewood N J "Minitron" "Autopairer"
Federal Products Corp., 1144 Eddy St., Providence 1, R. I.
Merz Engineering Inc 300 S Harding St Indianapolis 7 Ind
Micrometrical Mfg Co 345 S Main St Ann Arbor Mich ("Anderometer" For ball bearings; "Wavometer" for measuring waviness of ball or roller bearing races and balls; "Profilometer", "Microcorder" for surface finish; "Proficorder" for measuring waviness or roughness and recording surface profiles)
Minitron—See Electro - Autosizing Machine Div
Par-Ac—See Cleveland Instrument Co
Proficorder—See Micrometrical Mfg Co
Profilometer—See Micrometrical Mfg Co
RCA Arlin—See Radio Corp of America
Radio Corp of America Detroit Industrial Products 13541 Auburn Ave Detroit 23 Mich "RCA Arlin"
Sheffield Corp 721 Springfield St Dayton 1 Ohio
Wavometer—See Micrometrical Mfg Co

INSTRUMENTS, Precision Measuring, for Tool Rooms

(See also Blocks, Gage)

Ames Co B C 12 Ames St Waltham 54 Mass
Angle Computer Co 1709 Standard Ave Glendale 1 Calif "Studler" (Angle computers)
Autopairer—See Electro-Autosizing Machine Div
Brown & Sharpe Mfg. Co., 235 Promenade St., Providence, R. I.
Cadillac Gage Co P O Box 3806 Detroit 5 Mich "Cadillac Pla-Chek"
Chapman—See Richmont, Inc.
Cleveland Instrument Co 6220 E Schaaf Rd Cleveland 31 Ohio "Indi-Ac" (For surface plate and set-ups)
DoAll Co., 254 N. Laurel Ave., Des Plaines, Ill.
Electro-Autosizing Machine Div Industrial Gauges Corp 1500 The Plaza West Englewood N J "Electro-Autosizer" "Autopairer"
Electronic Control Corp., 1573 E. Forest St., Detroit 7, Mich. (Photo-electric.)
Federal Products Corp 1144 Eddy St Providence 1 R I "Testmaster"
Griswold Co F T Lancaster Pike Wayne Pa "OPL" (Rotary dividing table optically controlled)
Indi-Ac—See Cleveland Instrument Co
Machine Products Corp 6771 E McNichols Rd Detroit 12 Mich "Rotabs"
Magnaflux Corp 7300 W Lawrence Ave Chicago 31 Ill "Magnaflux Sonizon" (Ultrasonic thickness measuring)
Merz Engineering Co., 200 S. Harding St., Indianapolis 7, Ind.
Millers Falls Co 57 Wells St Greenfield Mass
Moore Products Co., H. & Lycoming Sts., Philadelphia 24, Pa. (Pneumatic comparator gages.)
Richmont Inc 922 S Myrtle Ave Monrovia Calif "Chapman" (Torque calibrators for hand tools)
Rotabs—See Machine Products Corp
Scherr Co., George, 200 Lafayette St., New York 12, N. Y. (Also imported.)
Sheffield Corp., 721 Springfield St., Dayton 1, Ohio.
Size Control Co Div American Gage & Machine Co 2500 Washington Blvd Chicago 12 Ill (Micrometer testing)
Sperry Products Inc Danbury Conn (Ultrasonic)
Studler—See Angle Computer Co
Swanson-Erie Corp 814 E 8th St Erie Pa (For concentricity)
Swedish Gage Co of America 10641 Haggerty Ave Dearborn 1 Mich
Taft-Peirce Mfg. Co., 32 Mechanic Ave., Woonsocket, R. I.
Testmaster—See Federal Products Corp
Van Keuren Co., 176 Waltham St., Watertown, Mass.

INSTRUMENTS, Rubber Testing

Durometer—See Shore Instrument & Mfg. Co.
Elastometer—See Shore Instrument & Mfg. Co.
Olsen Testing Machine Co Tinius 2090 Easton Rd Willow Grove Pa
Shore Instrument & Mfg Co 90-35 Van Wyck Expressway Jamaica 35 N Y "Durometer" "Elastometer"

INSTRUMENTS, Speedometer Testing

Circle Ees—See F W Stewart Corp
Stewart Corp F W 4311 N Ravenswood Ave Chicago Ill "Circle Ees"
Sun Electric Corp 6323 Avondale Ave Chicago 31 Ill

INSTRUMENTS, Timing

Allen Electric & Equipment Co 2101 N Pitcher St Kalamazoo 13F Mich (Neon and power types)
Auto-Test Inc 600 S Michigan Ave Chicago 5 Ill (Neon and power types)
Cornwell Quality Tools Co Mogadore Ohio (Power type)
Edelmann & Co., E., 2332 Logan Blvd., Chicago 47, Ill. (Neon type.)
Electro Products Co 445 E 189th St N Y 58 N Y (Power)
Hanson Co Harvey E Lake Blvd & Commercial St Paw Paw Mich Power type)
Herbrand Div Bingham-Herbrand Corp Lake & Stone Sts Fremont Ohio (Power type)
Heyer Industries Inc 471 Cortlandt St Belleville 9 N J
Kal-Equip Co 411 Washington St Otsego Mich "Kal-Lite" (Power type)
King Electric Equipment Co 9123 Inman Ave Cleveland 5 Ohio
Nasa Tool Mfg Corp 3427 Locust Corner Rd **Amelia Ohio (Neon type)**
National Machine & Tool Co., 4077 Page Ave., Jackson, Mich. (Neon type.)
Niehoff Co., C. E., 4925 W. Lawrence Ave., **Chicago 30, Ill. (Neon and power types.)**
Petroleum Solvents Corp 331 Madison Ave N Y 17 N Y "Siloo"
Schauer Mfg Corp 4500 Alpine Ave Rossmoyne Ohio (Neon and power types)
Siloo—See Petroleum Solvents Corp
Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis. (Neon type.)
Sun Electric Corp., 6323 Avondale Ave., Chicago 31, Ill. (Neon type.)
T & H Mfg Co 811 E 31st St Kansas City 3 Mo (Neon type)
Tungsten Mfg Co 1923 E 79th St Chicago 49 Ill (Neon and power types)
Weidenhoff Corp Algona Iowa (Neon and power types)

INSTRUMENTS, Vibration Measuring

Brush Instrument Div of Clevite Corp 37th St & Perkins Ave Cleveland 14 Ohio
International Research & Development Corp 6150 Huntley Rd Worthington Ohio
Olsen Testing Machine Co Tinius 2090 Easton Rd Willow Grove Pa "Vibrodyne"
Vibrodyne—See Tinius Olsen Testing Machine Co

INSULATING PADS—See Pads, Insulation (Heat, Cold and Sound)

INSULATING PAPER—See Paper, Insulating

INSULATION, For Electrical Parts (Liquid)

Acra Seal—See Radiator Specialty Co
Barton Products Co 1891 N Winnebago Ave Chicago 47 Ill
Chemical Products Corp King Philip Rd East Providence R I "Chem-o-sol" (Ignition)
Dow Corning Corp Midland Mich
Dupli-Color Products Co 2440 S Michigan Ave Chicago 16 Ill "Dupli-Color Carfix" (For ignition systems)
Ensign Products Co., 3528 E. 76th St., Cleveland 5, Ohio
Heet Div of DeMert & Dougherty Inc 3001 W 47th St Chicago 32 Ill "Pib"
Ignition-Ite Products Co P O Box 373 Downey Calif (For ignition systems)
Ignition Seal—See Radiator Specialty Co
Illbronze—See Illinois Bronze Powder Co
Illinois Bronze Powder Co 2015 S Clark St Chicago 16 "Illbronze" (Ignition systems)
Krylon Inc Ford & Washington Sts Norristown Pa (For ignition wiring, battery terminals, etc)
Lee Polish Mfg Co 1399 Utica Ave Brooklyn 3 NY
Pib—See Heet Div of DeMert & Dougherty Inc
Plasti-Kote Inc 9801 Harvard Rd NW Cleveland 5 Ohio (For ignition systems)
Porter Mfg & Supply Co 2836 Sunset Blvd Los Angeles 26 Calif (For ignition systems)
Radiator Specialty Co 1400 W Independence Blvd Charlotte 1 N C "Acra Seal" "Ignition Seal" (For ignition systems)
Reynolds Ink Inc 4500 Euclid Ave Cleveland 3 Ohio "Sherolite" (Ignition systems)
Sherolite—See Reynolds Ink Inc
Shortstop—See Zip Abrasive Co
Sure-Rite—See Warehouse Dist Co
Vulcabond—See American Latex Products Corp
Warehouse Distributing Co 3810 N 19th St Philadelphia 40 Pa "Sure-Rite" (For ignition systems)
Wolfe-Kote Co 1225 N 8th St Sheboygan Wis
Zip Abrasive Co 1360 W 9 St Cleveland 13 Ohio "Shortstop" (Ignition system)

INSULATION, Felt, Hair, Paper, Etc.

Amberlite—See Gustin-Bacon Mfg Co
American Felt Co Glenville Conn "K" (Felt)
American Hair & Felt Co 322 Merchandise Mart Chicago Ill (Hair and felt)
American Latex Products Corp 3341 W El Segundo Blvd Hawthorne Calif "Stabond" (Plastic foam)
Armalite—See Armstrong Cork Co
Armstrong Cork Co Industrial Div 7011 Imperial Ave Lancaster Pa "Armstrong" (Felt paper; "Mobil-Roll" fiberglas for trailers; "Armalite" foamed plastic)
Arvey Corp., 6401 E. Nevada Ave., Detroit 34, Mich. "Nodrum," "Reflex." (Felt.)
Auburn Mfg. Co., Fease Ave. & Stack St., Middletown, Conn.
Barley-Earhart Corp Portland Mich (Felt)
Burlington Mills Inc., Burlington, Wis. "Bur-Tex." (Plastic coated trunk lining.)
Bur-Tex—See Burlington Mills Inc
Carborundum Co Buffalo ave Niagara Falls N Y "Fiberfrax" (Fiber)
C-D-F—See Continental-Diamond Fibre Corp
Cellusede Products Inc 501 N Madison St Rockford Ill (Flock)
Clark - Cutler - McDermott Co Fisher St Franklin Mass (Felt)
Conewago—See Keystone Roofing Mfg Co
Continental-Diamond Fibre Corp Newark 2 Del "C-D-F" "Vulcold"
DG—See Detroit Gasket & Mfg Co.
Detroit Gasket & Mfg. Co., 12640 Burt Rd., Detroit 23, Mich. "DG."
Dow Chemical Co Midland Mich "Ethocel" & "Styrofoam" (Expanded polystyrene "Pelaspan")
Ethocel—See Dow Chemical Co
Fiberfrax—See Carborundum Co
Fiberglas — See Owens-Corning Fiberglas Corp
Flintkote Co 30 Rockefeller Plaza New York 20 N Y "Syntex" (Felt)
Franklin Fibre-Lamitex Corp 18th St E of Market St Wilmington Del (Plastic and hard fibre)
Fyberoid—See Wilmington Fibre Specialty Co

INSULATION, Felt, Hair, Paper, etc.—continued

Gustin-Bacon Mfg Co 210 W 10th St Kansas City 5 Mo "Ultralite" (Glass fiber for trailers and buses; "Ultrafine" glass fibre for sound absorbing; "Amberlite" organic fibre for sound absorbing; "Satinaire B" organic and synthetic fibre for sound absorbing)
Johns-Manville 22 E 40th St New York 16 N Y "Spintex" (Mineral wool)
Johns-Manville Corp Industrial Insulation Div 22 E 40th St New York N Y "Microlite" "Microtex" "Super-Fine" "Transulite" (Fiber glass)
K—See American Felt Co
Keystone Roofing Mfg Co Franklin St & PRR York Pa "Conewago" (Paper)
Microlite—See Johns-Manville Corp Industrial Insulation Div
Microtex—See Johns-Mansville Corp Industrial Insulation Div
Mobil-Roll—Armstrong Cork Cc
Nodcrete—See Avery Crp
Nu-Wood—See Wood Conversion Co
Owens-Corning Fiberglas Corp National Bank Bldg Toledo 1 Ohio "Fiberglas" (Fibrous glass)
Pelaspan—See Dow Chemical Co
Pittsburgh Plate Glass Co Fibre Glass Div 1 Gateway Center Pittsburgh 22 Pa "Pittsburgh Superfine" (Fibre glass)
Reflex—See Arvey Corp.
Royalite—See United States Rubber Co
Rubatex Div Great American Industries Inc Bedford Va (Cellular rubber)
Ruberoid Co 500 Fifth Ave New York 36 N Y (Felt)
Satinaire B—See Gustin-Bacon Mfg Co
Seaman Products Div of Seaman Paper Co 1236 Sherman Ave Evanston Ill "Seapak"
Seapak—See Seaman Products Div
Silvercote Products Inc., 161 E. Erie St., Chicago 11, Ill. (Fiber glass.)
Spaulding Fibre Co., 310 Wheeler St., Tonawanda, N. Y. "Spauldo." (Paper, for motors.)
Spauldo—See Spaulding Fibre Co.
Spintex—See Johns-Manville
Stabond—See American Latex Products Corp
Styrofoam—See Dow Chemical Co
Super-Fine—See Johns-Manville Corp Industrial Insulation Div
Syntex—Flintkote Co
Transulite—See Johns-Manville Corp Industrial Insulation Div
Ultrafine—See Gustin-Bacon Mfg Co
Ultralite—See Gustin-Bacon Mfg Co
United States Rubber Co., Rockefeller Center, 1230 Ave. of the Americas, New York 20, N. Y. "U. S. Windlace." (Plastic foam; "Royalite" plastic sheet for bodies)
Vulcoid — See Continental-Diamond Fibre Corp
Western Felt Works 4021 W Ogden Ave Chicago 23 Ill (Felt)
Wilmington Fibre Specialty Co New Castle Del "Fyberoid"
Wood Conversion Co 1981 First National Bank Bldg St Paul 1 Minn "Nu-Wood" (Fibre)

INSULATION, Heat and Sound (Liquid)

(For underbody, body panels, etc.)

Anderson-Prichard Oil Corp 1000 Liberty Bank Bldg Oklahoma City 2 Okla "Apcoseal" (Underbody)
Apcoseal—See Anderson-Prichard Oil Corp
Asbest-O-Seal—See Steelcote Mfg. Co.
Battenfield Grease & Oil Corp 3148 Roanoke Rd Kansas City 8 Mo (Underbody)
Borden Chemical Co Div of Borden Co 350 Madison Ave N Y 17 N Y "Placco" (Underbody)
Braemul—See Service Industries
Carborundum Co Buffalo Ave Niagara Falls N Y "Red-I-Brand" (Body)
Carey Mfg Co Philip Lockland Cincinnati O "Carey Automotive Undercoater" (Underbody)
Cellusede Products Inc 501 N Madison St Rockford Ill (Flock)
Daubert Chemical Co 4700 S Central Ave Chicago 38 Ill "Fendix" (Undercoating; "Nox Temp" "Nox-Sound")
Ditzler Color Div., Pittsburgh Plate Glass Co., 8000 W. Chicago Ave., Detroit 4, Mich. (Underbody.)
Ensign Products Co 3528 E 76th St Cleveland 5 Ohio (Underbody)
Fendix—See Daubert Chemical Co
Flintkote Co., 30 Rockefeller Plaza, New York 20, N. Y.
Gibson-Homans Co 2366 Woodhill Rd Cleveland O (Underbody)
Hutson Div Gibson-Homans Co Railroad & Institute Sts Conyers Ga (Underbody)
Insulmat—See J W Mortell Co
Lion Oil Co Lion Oil Bldg., El Dorado, Ark. "Lion," "Nokorode." (Underbody.)
Moore & Co., Samuel, Mantua, Ohio. "Rub-Bub."
Mortell Co., J. W., 550 N. Hobbie Ave., Kankakee, Ill. "Insulmat," "Mortex." (Asphalt type for underbody, body panels, etc.)
Mortex—See J. W. Mortell Co.
Nokorode—See Lion Oil Co.
Nox-Sound—See Daubert Chemical Co
Nox-Temp—See Daubert Chemical Co
Pennsylvania Refining Co Butler Savings & Trust Bldg Butler Pa (Underbody)
Pioneer Products Div of Witco Chemical Co 75 E Wacker Drive Chicago 1 Ill
Placco—See Borden Chemical Co
Presstite Div American-Marietta Co 3900 Chouteau St St Louis 10 Mo (Underbody)
Red-I-Brand—See Carborundum Co
Rub-Bub—See Samuel Moore & Co
Service Industries 2103 E Somerset St **Philadelphia 34 Pa "Braemul" (Underbody)**
Steelcote Mfg. Co., 3418 Gratiot Ave., St. Louis 3, Mo. "Asbest-O-Seal." (Underbody.)
Witco Chemical Co., 75 E. Wacker Drive, Chicago 1, Ill. "Witcote."
Witcote—See Witco Chemical Co.

INSULATION, LAMINATED (PHENOLIC, ETC.)—See Plastics—Laminated

INSULATION, MOLDED (PHENOLIC, ETC.)—See Plastics—Molded

INSULATORS, RUBBER SHOCK—See Shackles, Spring; also Mountings, Rubber Insulated

INSULATORS, Spark Plug

Diamonite Products Mfg Co Shreve Ohio
Frenchtown Porcelain Co 8th & Harrison Sts Frenchtown N J

INTERCOOLERS, Engine Supercharger

Yates-American Machine Co Beloit Wis
Young Radiator Co 709 S Marquette St Racine Wis

INVERTERS, Auto

(For changing storage battery current to AC for operating tape recorders and dictating machines in car)

AC Spark Plug The Electronics Div of General Motors 1300 N Dort Highway Flint 2 Mich
American Television & Radio Co 300 E 4th St St Paul 1 Minn "ATR"
ATR—See American Television & Radio Co

IRON, Alloyed Cast

Alten Foundry & Machine Works Inc 226 W Wheeling St Lancaster Ohio
Campbell Wyant & Cannon Foundry Co Muskegon Mich "Proferall"
Erie Malleable Iron Co 609 W 12th St Erie Pa "Ermalite"
Ermalite—See Erie Malleable Iron Co.
Frank Foundries Corp 2020 Third Ave Moline Ill "Frankite"
Frankite—See Frank Foundries Corp.
Grede Foundries Inc 1320 S First St Milwaukee 1 Wis
Proferall—See Campbell, Wyant & Cannon Foundry Co

IRON, Pig

Alan Wood Steel Co Conshohocken Pa
Republic Steel Corp 1441 Republic Bldg Cleveland 1 Ohio

IRON CASTINGS—See Castings, Gray Iron

IRONS, BODY—See Hardware, Automobile and Truck Body

IRONS, Folding Seat

Eberhard Mfg. Co., Div. Eastern Malleable Iron Co., 2734 Tennyson Rd., Cleveland 4, Ohio.

IRONS, Soldering (Acetylene)

Dockson Corp 3839 Wabash Ave Detroit 8 Mich
Douglass Tool Co 5251 Pattison Ave St Louis 10 Mo
Linde Air Products Co., 30 E. 42nd St., New York, N. Y. "Prest-O-Lite."
Prest-O-Lite—See Linde Air Products Co.
Selas Corp of America Dresher Pa (Gas)
Sight Feed Generator Co., West Alexandria, Ohio.

IRONS, Soldering (Electric)

American Beauty—See American Electrical Heater Co.
American Electrical Heater Co., Woodward, Cass & Burroughs Aves., Detroit 2, Mich. "American Beauty."
Dockson Corp 3839 Wabash Ave Detroit 8 Mich
G-E—See General Electric Co
General Electric Co Apparatus Sales Div 1 River Rd Schenectady 5 N Y "G-E"
Harmic—See P Wall Mfg Co
Ideal Industries Inc 1014 Park Ave Sycamore, Ill.
Jackson—See Vulcan Electric Co
Kwikheat Mfg. Co., 3732 San Fernando Bldg., Glendale 4, Calif.
Lenk Mfg Co Franklin Ky
Linde Co 30 E 42nd St New York 17 N Y "Prest-O-Lite"
Mercury—See Vulcan Electric Co.
Prest-O-Lite—See Linde Co
Snap-On Tools Corp 8046 28th Ave Kenosha Wis
Stanley Tools, 111 Elm St., New Britain, Conn.
Trig-R-Heat—See P Wall Mfg Co
Turnco—See Turnsignal Co.
Turnsignal Co 2720 W Susquehanna Ave Philadelphia 21 Pa "Turnco"
Vulcan Electric Co., 88 Holten St., Danvers, Mass. "Vulcan," "Mercury" & "Jackson."
Wall Mfg Co P P O Box 71 Grove City Pa "Harmic" & "Trig-R-Heat"
Weller Electric Corp 601 Stone's Crossing Rd Easton Pa
Wen Products Inc 5806 Northwest Hwy Chicago 31 Ill
Zephyr Mfg Co 201 Hindry Ave Inglewood Calif (Electric)

IRONS, TOP—See Hardware, Automobile and Truck Body

ISOLATORS, Vibration Absorption (Machinery)

Airloc—See Clark-Cutler-McDermott Co
American Felt Co Glenville Conn "Vibra-Mount" (Felt)
Barry Controls Inc 702 Pleasant St Watertown 72 Mass **"Barrymount"**
Bushings Inc 4358 Coolidge Highway Royal Oak Mich "Vibro-Leveller"
Clark - Cutler - McDermott Co Fisher St Franklin Mass ("Airloc" "Wedgemount" adjustable)
Elasto-Rib—See Korfund Co
Korfund Co 48-02 32nd Pl L I City 1 N Y "Korfund" "Vibro-Isolators" "Vibro-Dampers" "Elasto-Rib"
Vibra-Mount—See American Felt Co
Vibro-Dampers—See Korfund Co
Vibro-Isolators—See Korfund Co
Vibro-Leveller—See Bushings Inc
Wedgemount — See Clark-Cutler-McDermott Co
Western Felt Works 4021 W Ogden Ave Chicago 23 Ill "Westorb" (Felt)

JACKS, Auto (Mechanical)

Ace—See Caster Mold & Machine Co
Ajax Mfg Corp of Wis 1201 Michigan Blvd Racine Wis
Ausco—See Auto Specialties Mfg Co
Auto Specialties Mfg Co 643 Graves St St Joseph Mich "Ausco"
Big-Pete—See Peterson Mfg Co
Caster Mold & Machine Co 1097 E & J St N Barberton Ohio "Ace" "Caster Jr" "Caster Sr" "Queen" "Super" "TMC"
Duff-Norton Co 2769 Preble Ave N S Pittsburgh Pa
Edgewater Automotive Div Auto Specialties Mfg Co St Joseph Mich "Fleet"
Fleet—See Edgewater Automotive Div
Little Giant—See Universal Tool & Stamping Co
Peterson Mfg Co 2716 E 14th St Kansas City 27 Mo "Big Pete"
Queen—See Caster Mold & Machine Co
Ryerson & Haynes Inc 2307 E Ganson St Jackson Mich
Sal Metal Products Co 120 Freeman St Brooklyn 22 N Y "Sam-Sons"
Sam-Sons—See Sal Metal Products Co
Super—See Caster Mold & Machine Co
TMC—See Caster Mold & Machine Co
Triangle Jack Co 1208 S Washington St Wichita Kans
Universal Tool & Stamping Co Butler Ind "Little Giant" "Universal"
Vulcan Mfg Co 400 W Third St Winona Minn
Walker Mfg Co of Wis 1201 Michigan Blvd Racine Wis
Weaver Mfg Co 2177 S Ninth St Springfield Ill

JACKS, Engine

Lake Shore Inc Iron Mountain Mich

JAPANNING DRYERS—See Dryers, Japanning and Varnish

JAWS, Face Plate (Portable)

Bullard Co 286 Canfield Ave Bridgeport 9 Conn
Skinner Chuck Co 95 Edgewood Ave New Britain Conn

JIG BUSHING—See Bushings, Jig

JIGS—See Dies, Jigs, Tools and Fixtures

JIGS, Connecting Rod Aligning

Ammco Tools, Inc., 2100 Commonwealth Ave., North Chicago, Ill.
KRW—See K R Wilson Inc
Kent Moore Organization Inc 28635 Mound Rd Warren Mich "Rate-Maker"
Lee Co., K. O., Congress at First Ave., S E. Aberdeen, S. D.
Lisle Corp., 809 E. Main St., Clarinda, Iowa.
Miller Mfg Co 17640 Grand River Ave Detroit 27 Mich
Rate-Maker—See Kent-Moore Organization Inc
Stevens Walden, Inc., 475 Shrewsbury St., Worcester, Mass.
Storm-Vulcan Inc 2225 Burbank St Dallas 19 Tex
Sunnen Products Co., 7910 Manchester Ave., St. Louis 17, Mo.
Wilson Inc K R Arcade N Y "KRW"

JIGS, Drill

C U J—See Cleveland Universal Jig Co.
Cleveland Universal Jig Co 13328 St Clair Ave Cleveland 10 Ohio "C U J"
Pioneer Aluminum Inc 5251 W Imperial Highway Los Angeles 45 Calif
Siewek Tool Co., 2862 E. Grand Blvd., Detroit 2, Mich.
Woodworth Co., N. A., 1300 E. Nine Mile Rd., Detroit 20, Mich. "Woodworth Cone-Lok."
Zagar Tool Inc 24000 Lakeland Blvd Cleveland 23 Ohio

JIGS, PISTON ALIGNING—See Jigs, Connecting Rod Aligning

JOINTS, Ball

(For spark and throttle connections)

Attwood Brass Works Inc 303 Douglas St N W Grand Rapids Mich
Clevebloc—See Clevite Harris Products Inc
Clevite Harris Products Inc Lockwood Rd Milan Ohio "Clevebloc" (Rubberized)
Edelman & Co., E., 2332 Logan Blvd., Chicago 47, Ill.
Hill Nut Co 2620 W Flournoy St Chicago 12 Ill
Moog Industries Inc 6565 Wells Ave St Louis 23 Mo
Preferred Electric & Wire Co Bush Terminal Bldg No 8 Brooklyn 32 N Y
Rusco—See Russell Mfg Co
Russell Mfg Co E Main St Middletown Conn "Rusco"
Superior Ball Joint Corp 8890 Trier Rd **Ft** Wayne Ind
Thompson Products Michigan Div Thompson-Ramo-Wooldridge Inc 34201 Van Dyke Ave Warren Mich (Front end suspension)
Tourek Mfg Co J J 1901 S Kilbourn Ave Chicago 23 Ill

JOINTS, Power Take-off

Blood Bros—See Rockwell-Standard Corp
Cleveland Steel Products Corp 16025 Brookpark Rd Cleveland 35 Ohio
Dana Corp 4100 Bennett Rd Toledo 1 Ohio "Spicer"
Gray & Prior Machine Co 614 Windsor St Hartford Conn
Muncie Parts Mfg Co 2601 S Jefferson St Muncie Ind
Neapco Products Inc South & Cross Sts Pottstown Pa
Republic Gear Co 2197 Beaufait Ave Detroit 7 Mich
Rockwell-Standard Corp Universal Joint Div 1 Glass St Allegan Mich "Blood Bros"
Spicer—See Dana Corp
Western Automotive Co 2300 S Parkway Chicago 16 Ill "Wesco"
Wesco—See Western Automotive Co

JOINTS, Swivel

Chiksan Co 330 N Pomona Ave Brea Calif

JOINTS, Universal (Auto)

(See also Shafts, Propeller; see also Couplings, Flexible)

Alco—See Alloy Mfg Co
Alloy Mfg Co 3207 S Shields Ave Chicago 16 Ill "Alco" "Alloy" "Quality Built"
Almetal—See Detroit Bevel Gear Co
Bendix Products Div Bendix Aviation Corp South Bend 20 Ind "Bendix-Weiss"
Blood Bros—See Rockwell-Standard Corp Universal Joint Div
Boston Gear Works Div Murray Corp 14 Hayward St Quincy 71 Mass
Cleveland Steel Products Corp 16025 Brookpark Rd Cleveland 35 Ohio
Dana Corp 4100 Bennett Rd Toledo 1 Ohio "Spicer"
Detroit Bevel Gear Co 8130 Jos Campau Ave Detroit 11 Mich "Almetal"
Detroit Universal Div Chrysler Corp 6455 Kingsley Ave Dearborn 1 Mich
Dynaflex—See Lord Mfg Co
Gear Grinding Machine Co., 3901 Christopher Ave., Detroit 11, Mich. "Rzeppa"
Hy-Power—See Lion Auto Parts & Mfg Co
Imco Mfg & Sales Co 10 E Lafayette Ave Baltimore 2 Md "U J S"
Lempco Products Inc 6490 Dunham Rd Bedford Ohio (Sole distributors Lempco Automotive Inc 2953 E 55th St Cleveland 27 Ohio)
Lion Auto Parts & Mfg Co 1920 S Michigan Ave Chicago 16 Ill "Hy-Power"
Lord Mfg Co 1635 W 12th St Erie Pa "Dynaflex"
Mechanics Universal Joint Div., Borg-Warner Corp., 2030 Harrison Ave., Rockford, Ill.
Morflex—See Morse Chain Co
Morse Chain Co Ithaca N Y "Morflex"
Motive Equipment Mfrs., Inc., 5200 W. Roosevelt Rd., Chicago 50, Ill. "Pilot," "National"
Motor Master Products Corp PO Box 278 Defiance Ohio
Neapco Products Inc South & Cross Sts Pottstown Pa
New Process Gear Div Chrysler Corp 500 Plum St Syracuse N Y "Tracta"
Parco—See Parts Mfg Co
Parts Mfg Co 311 W 66 St N Y 23 N Y "Parco"
Pilot—See Motive Equipment Mfrs., Inc.
Precision Universal Joint Corp., 615 S. California Ave., Chicago 12, Ill.
Quality Built—See Alloy Mfg Co
Republic Gear Co 2197 Beaufait Ave Detroit 7 Mich
Rockwell-Standard Corp Universal Joint Div 1 Glass St Allegan Mich "Blood Bros"
Root Co B M Prospect & Sherman Sts York Pa
Rzeppa—See Gear Grinding Machine Co.
Saco-Lowell Automotive Div Saco-Lowell Shops 10310 Putnam Ave Detroit Mich
Saginaw Steering Gear Div General Motors Corp 3900 Holland Rd Saginaw Mich
Spicer—See Dana Corp
Stimmel Winch Co., 37-24 33rd St., Long Island City 1, N. Y.
Stow Mfg. Co., 445 State St., Binghamton N Y.
Tracta—See New Process Gear Div Chrysler Corp.
U J S—See Imco Mfg & Sales Co
Wesco—See Western Automotive Co
Western Automotive Co 2300 S Parkway Chicago 16 Ill "Wesco"
Wheel Parts & Mfg Co 352 Fourth Ave N Y 10 N Y "National"
Williams Engineering Corp., 224 Park Ave., Baltimore, Md.

JOINTS, Universal (Machinery)

Apex Machine & Tool Co 1025 Patterson Blvd Dayton Ohio
Atlas—See Gray & Prior Machine Co
Baush Machine Tool Co 156 Wason Ave Springfield 7 Mass
Detroit Bevel Gear Co 8130 Jos Campau Ave Detroit 11 Mich
Fox Engrg Co 1336 Francis St Jackson Mich
Gray & Prior Machine Co 614 Windsor St Hartford Conn "Atlas"
Lovejoy Flexible Coupling Co 5000 W Lake St Chicago 44 Ill
Precision Tool & Mfg Co of Illinois 1305 S Laramie Ave Cicero 50 Ill
Sutton Engrg Co First National Bank Bldg Pittsburgh 22 Pa

JUNCTION BOXES—See Boxes, Junction (Auto)

KEEPERS, Valve—See Keys, Valve Stem

KEY CUTTING MACHINES—See Machines, Key Cutting

KEYS, Machine

Cleveland Cap Screw Co 4444 Lee Rd Cleveland 28 Ohio
Gillen Co John 2540 S 50th Ave Cicero 50 Ill
Morton Mfg Co Broadway & Hoyt St Muskegon Heights Mich
Set Screw & Mfg Co 16 Main St Bartlett Ill (Hexagon and fluted socket)
Standard Automotive Parts Co 660 Nims St Muskegon Mich
Standard Steel Specialty Co., W. Mayfield Rd., Beaver Falls, Pa.

KEYS, SPLIT—See Pins, Cotter

KEYS, Switch and Starting

Briggs & Stratton Corp., 2711 N. 13th St., Milwaukee 1, Wis.

KEYS, Valve Stem

Aluminum Industries Inc 3670 Werk Rd Cincinnati 11 Ohio
Bull Dog—See Jambor Tool & Stamping Co.
Ertel Products Corp Div of Ertel Mfg Corp 1400 E 20th St Indianapolis Ind
Jambor Tool & Stamping Co., 3057 N. 30th St., Milwaukee 10, Wis. "Bull Dog."
McQuay-Norris Mfg. Co., 2320 Marconi St., St. Louis, Mo
Perfect Circle Corp 552 S Washington St Hagerstown Ind
Preferred Electric & Wire Co Bush Terminal Bldg No 8 Brooklyn 32 N Y
RMC—See Rich Mfg Corp
Raymond Mfg Div Associated Spring Corp 226 S Center St Corry Pa
Rich Mfg Corp 96 N Division St Battle Creek Mich "RMC"
Sealed Power Corp 2001 Sanford St Muskegon Heights Mich
Thompson Products Valve Div Thompson-Ramo-Wooldridge Inc 1455 E 185th St Cleveland 10 Ohio
Toledo Steel Products Div of Thompson-Ramo-Wooldridge Inc 6402 Cedar Rd Cleveland 3 Ohio

KEYS, Woodruff

Allmetal Screw Products Co 821 Stewart Ave Garden City N Y (Stainless steel)
Gillen Co John 2540 S 50th Ave Cicero 50 Ill
Morton Mfg. Co., Broadway & Hoyt St. Muskegon Heights, Mich.
Perfect Parts, Inc, 43 W 23rd St New York 10 N Y
Preferred Electric & Wire Co Bush Terminal Bldg No 8 Brooklyn 32 N Y
Standard Automotive Parts Co 660 Nims St Muskegon Mich
Standard Steel Specialty Co., W. Mayfield Rd., Beaver Falls, Pa.

KEYSEATERS—See Machines, Keyseating

KEYWAY CUTTERS—See Cutters, Keyway

KING PINS—See Pins, King

KNIVES, Metal Cutting Machine

Cleveland—See Hill Acme Co Cleveland Knife Div
Espen-Lucas Machine Works Front St. & Girard Ave Philadelphia 23 Pa
Hill Acme Co Cleveland Knife Div 1201 W 65th St Cleveland 2 Ohio "Cleveland"
Meyers Co W F 1017 14th St Bedford Ind "Meyco"

KNOBS, Instrument Panel, Radio, Windshield Wiper, etc.

Aico—See American Insulator Corp
American Insulator Corp New Freedom Pa "Aico" (Regulator handle gear shift lever ash receiver etc)
Champ-Items Inc 6191 Maple Ave St Louis 14 Mo (Window gear shift and brake lever)
Cole-Hersee Co., 20 Old Colony Ave., Boston 27, Mass. (Instrument panel, radio, windshield wiper, etc.)
DashKnob—See National Autocraft Mfg Co
Dimco-Gray Co 207 E Sixth St Dayton 2 Ohio (Gear shift lever)
Garfield Mfg Co PO Box 59 Garfield N J (Gear shift lever)
Hollywood Accessories Inc 12322 Exposition Blvd Los Angeles 64 Calif
KranKnob—See National Autocraft Mfg Co
Kurz-Kasch, Inc., 1415 S. Broadway, Dayton 1, Ohio. (Radio, gear shift lever and instrument.)
LoKnob—See National Autocraft Mfg Co

KNOBS, Instrument Panel, Radio, Windshield Wiper, etc.—continued

National Autocraft Mfg Co 2710 N Orange Ave Orlando Fla "KranKnob" (Window; "LoKnob" door locking; "DashKnob" instrument panel; "Push-On" window crank)
Push-On—See National Autocraft Mfg Co
Standard Products Co 2130 W 110th St Cleveland 2 Ohio (Gear shift lever)
Waterbury Companies Inc 835 S Main St Waterbury 20 Conn

LP-GAS ADAPTORS, REGULATORS AND VAPORIZERS—See Regulators, Adaptors and Vaporizers, LP-Gas

L-P GAS CONVERSION UNITS—See Converters L-P Gas for Internal Combustion Engines

LACERS, Belt

Clipper Belt Lacer Co., 974 Front Ave., N. W., Grand Rapids 2, Mich.
Rhoads & Sons J E 2100 W 11th St Wilmington 99 Del "Tannate"
Tannate—See J. E. Rhoads & Sons

LACING, Hood (Fabric)

Anchor Webbing Co., P. O. Box 1624, Providence, R. I.
Arbeka Webbing Co 1155 Roosevelt Ave Pawtucket R I
Barley-Earhart Corp., Portland, Mich.
Black Diamond—See Uniform Hood Lace Co
Hope Webbing Co., Providence 1, R. I.
Jalean—See Uniform Hood Lace Co.
Silenite—See John Warren Watson Co
Stevens Co., A. T., 118 E. 28th St., New York 16, N. Y.
Uniform Hood Lace Co 633 E St Clair St Indianapolis 2 Ind "Black Diamond," "Jalean"
Watson Co., John Warren, 1924 Hunting Park Ave Philadelphia 40 Pa "Silenite"

LACING MACHINES, BELT—See Lacers, Belt

LACQUER, Auto, Truck and Bus

A.N.L.—See Nason Products Div
Acme Quality Paints Inc 8250 St Aubin Ave Detroit 11 Mich "Proxlin" "Pro-Fax" (Also acrylic)
American Lacquer Solvents Co., Perkiomen Junction, Phoenixville, Pa. "Co-Loidal-Ac."
American Paint Co 902 Larrabee St Chicago 10 Ill (For commercial vehicles)
Arco Co 7301 Bessemer Ave Cleveland 27 Ohio "Arcolite" (Acrylic)
Automotive Finishes Inc 8747 Brandt St Dearborn Mich "C-Bel"
Boydell Bros Co 1121 E McNichols Rd Detroit 3 Mich
C-Bel—See Automotive Finishes Inc
Co-Loidal-Ac—See American Lacquer Solvents Co.
Daconite—See James B. Day & Co.
Day & Co., James B., 1872 Clybourn Ave., Chicago 14, Ill. "Daconite."
Ditz-Lac—See Ditzler Color Div., Pittsburgh Plate Glass Co.
Ditzler Color Div., Pittsburgh Plate Glass Co., 8000 W. Chicago Ave., Detroit 4, Mich "Ditz-Lac"; "Duracryl" (Acrylic)
Duco—See E. I. du Pont de Nemours & Co
du Pont de Nemours & Co E I Fabrics & Finishes Dept Finishes Div Refinish Sales Wilmington 98 Del "Duco"; "Lucite" (Acrylic)
Duracryl—See Ditzler Color Div
Dythol-Lav—See Martin-Senour Co
Flood & Conklin Co., 132 Chestnut St., Newark 5, N. J.
Forbes Finishes Div., Pittsburgh Plate Glass Co., 3800 W. 143rd St., Cleveland 11, Ohio. "Nitroloid." (Nitro-cellulose and Ethyl cellulose.)
Glidden Co 900 Union Commerce Bldg Cleveland 14 Ohio
Hi-Solids—See Martin-Senour Co
Horn Co A C Products Finishes Div 10th St & 44th Ave Long Island City 1 N Y
Illbronze—See Illinois Bronze Powder Co.
Illinois Bronze Powder Co., 2015 S. Clark St., Chicago 16, Ill. "Illbronze."
Lucite—See E I du Pont de Nemours & Co
Martin-Senour Co 2500 Senour Ave Chicago 8 Ill "Hi-Solids"; "Dythol-Loc" (Acrylic)
Mimax—See Pittsburgh Plate Glass Co Paint Div
Nason Products Div W P Fuller & Co 456 E Grand Ave South San Francisco Calif "A.N.L."
Nik-O-Lac—See Nikolas & Co.
Nikolas & Co., G. J., 1227 Van Buren St., Chicago 7, Ill. "Nik-O-Lac."
Nitroloid—See Forbes Varnish Co.
Opex—See Sherwin-Williams Co.
Pittsburgh Plate Glass Co Paint Div 1 Gateway Center Pittsburgh 22 Pa "Mimax"
Plasti-Kote Inc 9801 Harvard Rd NW Cleveland 5 Ohio
Pro-Flax—See Acme Quality Paints Inc
Proxlin—See Acme Quality Paints Inc
R-M—See Rinshed-Mason Co
Rinshed-Mason Co 5935 Milford St Detroit 10 Mich "R-M" (Also acrylic)
Sherwin-Williams Co 101 Prospect Ave N W Cleveland 1 Ohio "Opex"
Standard-Toch Chemicals Inc 2600 Richmond Terrace Staten Island 3 N Y "Stand-Lac"
Stand-Lac—See Standard-Toch Chemicals Inc
Zac-Lac Paint & Lacquer Corp 350 Simpson St NW Atlanta 13 Ga

LACQUER, STRESS ANALYSIS—See Compounds, Metal Testing

LAG SCREW SETTERS—See Setters Stud, Nut, Bolt and Lag Screw

LAMINATED FIBRE—See Fibre, Laminated

LAMINATED PHENOLIC PARTS—See Plastics—Laminated

LAMINATED WOOD—See Panels, Plywood

LAMP PARTS AND FITTINGS—See Connectors, Lamp; Lamps or Bulb, Miniature Incandescent; Lenses, Lamp; also Sockets, Lamp (Electric)

LAMPS, Back-Up, Cowl, Dome, Fender, Tail, Parking, and Clearance

Alco—See Auto Lamp Mfg Co
Anthes Force Oiler Co 20th St & Ave M Ft Madison Iowa (Tail parking and clearance)
Apco Mossberg Co Lamb St Attleboro Mass "Stream-A-Lite" (License plate)
Arrow Safety Device Co Mt Holly N J (Tail dome marking parking and clearance)
Auto Lamp Mfg Co 2909 S Indiana Ave Chicago 9 Ill "Alco" "Pathfinder" (Clearance marker license back-up and license)
Auto-Lite—See Electric Auto-Lite Co
Berg Mfg & Sales Co 1712 S Michigan Blvd Chicago 16 Ill "Sho-Glo" (Clearance for trailers)
Betts Machine Co 1800 Pennsylvania Ave W Warren Pa "Warren Snap Seal" (Clearance tail license dome etc)
Bolser Corp S Main St Cedar Falls Iowa (Clearance and marker)
Burgess Battery Co Ft of Exchange St Freeport Ill "Trailer-Lite" (Tail)
Capson Mfg Co 2565 Fullerton Ave Chicago Ill (Dash for trucks)
Catseye—See Columbus Metal Products Co
Cole Automotive Products Co P O Box 56 Alfred St Station Detroit 1 Mich "Merit" (Clearance tail and marker for trucks trailers and buses)
Columbus Metal Products Co., 1341 Norton Ave., Columbus 8, Ohio. "Catseye." (Dome, marker, clearance, backup, etc.)
Dietz Co R E 225 Wilkinson St Syracuse 1 N Y (Dome, back-up, tail, parking, running board and clearance.)
Do-Ray Lamp Co., 1458 S. Michigan Ave. Chicago 5, Ill. "Swa-Bak."
Electric Auto-Lite Co Toledo 1 Ohio "Auto-Lite" (Cowl fender tail and clearance)
Electroline Mfg Co 2622 E 51st St Cleveland 4 Ohio
General Electric Co Miniature Lamp Dept Nela Park Cleveland 12 Ohio "G-E" (Backup dome tail parking clearance instrument signal etc)
Griffin Lamp Co Shelby Miss (Clearance dome back-up tail marker and fuel compartment)
Grote Mfg Co Lafayette & Grandview Aves Bellevue Ky (Tail back-up dome marker clearance combination stop tail and license bracket)
Guide Lamp Div General Motors Corp 25th St & Arrow Ave Anderson Ind (Back-up dome fender tail license plate parking and clearance)
H & P Die & Stamping Co 13945 Triskett Rd Cleveland 11 Ohio (Marker, for bus, truck and trailer)
Hall Lamp Co C M 1035 E Hancock Ave E Detroit Mich (Dome tail backup and parking)
Hartline—See Rowe Industries
Hollywood Accessories Inc 12322 Exposition Blvd Los Angeles 64 Calif (License plate)
K-D Lamp Co 1910 Elm St Cincinnati 10 Ohio (Back-up fender dome tail parking and clearance)
King Bee Mfg Co 2600 Washington Blvd Bellwood Ill (Tail parking dome marker and clearance)
Loock & Co., R. J., 343 N. Gay St., Baltimore, Md. "R-J." (Parking.)
Merit—See Cole Automotive Products Co.
Miro-Flex Co 1824 E 2nd St Wichita 7 Kans (Clearance and marker)
Norlipp Co., 5925 S. Lowe Ave., Chicago 21, Ill. (Clearance and back-up.)
PMCO—See Peterson Mfg Co
Pathfinder—See Auto Lamp Mfg Co
Peterson Mfg Co 2716 E 14th St Kansas City 27 Mo "PMCO" (Back-up cab fender clearance, marker and tail)
R-J—See R. J. Loock & Co.
Regal Motor Products Inc 6325 Grand River Ave Detroit 8 Mich (Tail and parking)
Rosco—See A. W. Rosen & Co.
Rosen & Co A W 447 Tenth Ave New York 7 N Y "Rosco" (Cowl fender dome marker parking and clearance)
Rov-A-Lite—See Terado Co
Rowe Industries 1702 Wayne St Toledo 9 Ohio "Hartline"
S & M Lamp Co 2369 E 51st St Los Angeles 54, Cal (Tail parking clearance fender back-up and dome)
SS—See Speedometer Service Co
Sho-Glo—See Berg Mfg & Sales Co
Signal-Stat Corp Signal-Stat Bldg 523 Kent Ave Brooklyn 11 N Y (Dome, tail, clearance, marker, etc)
Sparton Automotive Div of Sparton Corp Jackson Mich (Armored, clearance, dome, emergency, flush-type, back-up, loading marker, tail, and combination stop and tail)
Speaker Corp J W 3059 N Well St Milwaukee 12 Wis (Back-up clearance tail and marker)
Speedometer Service Co 151 Forest St Montclair N J "SS" (Hood and trunk)
Stream-A-Lite—See Apco Mossberg Co
Swa-Bak—See Do-Ray Lamp Co.
Terado Co 1068 Raymond Ave St Paul 8 Minn "Rov-A-Lite" (Storage battery operated fluorescent lamp for trucks)
Thatcher Glass Mfg Co McKee Div Jeannette Pa (Dome)
Trippe Mfg Co 133 N Jefferson St Chicago 6 Ill (Clearance)
U S Metal Products Co 1045 Atlantic Ave Brooklyn 38 N Y "U S Pioneer" (Backup)
Unity Mfg. Co., 2909 Indiana Ave., Chicago 16, Ill. (Back-up and deck.)
Warren—See Betts Machine Co
Yankee Metal Products Corp., 25 Grand St., Norwalk, Conn. (Fender, back-up, clearance, dome, parking and tail.)

LAMPS, DOME—See Lamps, Back-Up, Cowl, Dome, Fender, Tail, Parking Running Board and Clearance

LAMPS, Drying, Baking and Heating

Dry Cline Lamp Corp 410 Mill St Greensburg Ind (Infra-red baking and drying)
Fostoria Pressed Steel Corp N Main St Fostoria Ohio "Fostoria Evenray" (Infra-red)
General Electric Co Lamp Div Nela Park Cleveland 12 Ohio (Infra-red)
Lamp Div Westinghouse Electric Corp MacArthur Ave Bloomfield N J "Westinghouse"
Master Mfg. Co., 811 W. Cabrini St., Chicago 7, Ill. (Infra-red.)
Naico-Drithern—See North American Electric Lamp Co.
North American Electric Lamp Co 1520 N 13th St St Louis 6 Mo "Naico-Drithern" (Infra-red portable drying units)
Penetray Corp 615 Front St Toledo 5 Ohio (Infra-red)
Trippe Mfg Co 133 N Jefferson St Chicago 6 Ill (Infra-red)
Westinghouse—See Lamp Div Westinghouse Electric Corp

LAMPS, Fog, Road and Spot

Arno-Lite—See Arnolt Corp
Arnolt Corp Automotive Div Argonne Rd Warsaw Ind "Arno-Lite"
Arrow Safety Device Co., Mt. Holly, N. J. (Fog.)
Auto Lamp Mfg Co 2909 S Indiana Ave Chicago 9 Ill "Pathfinder" (Fog and spot)
Auto-Lite—See Electric Auto-Lite Co
Cable Electric Products Inc 234 Daboll St Providence 7 R I "Klip-Beam" (Spot)
Carpenter Mfg Co 195 Master-Light Bldg Somerville 45 Mass ("Roofmaster" roof mounted spot)
Dietz Co R E 225 Wilkinson St Syracuse 1 N Y (Fog and spot)
Do-Ray Lamp Co., 1458 S. Michigan Ave., Chicago 5, Ill. "Nobby."
Dual-Lites—See Supersite Corp
Electric Auto-Lite Co Toledo 1 Ohio "Auto-Lite" (Fog and road)
Electroline Mfg Co 2622 E 51st St Cleveland 4 Ohio (Fog and spot)

General Electric Co Miniature Lamp Dept Nela Park Cleveland 12 Ohio
General Electric Co Wiring Device Dept 95 Hathaway St Providence 7 R I (Spot)
Griffin Lamp Co Shelby Miss (Fog)
Grote Mfg Co Lafayette & Grandview Aves Bellevue Ky (Fog)
Guide Lamp Div., General Motors Corp., 25th St. & Arrow Ave., Anderson, Ind.
Hall Lamp Co C M 1035 E Hancock Ave Detroit Mich (Fog)
K-D Lamp Co 1910 Elm St Cincinnati 10 Ohio
King Bee Mfg Co 2600 Washington Blvd Bellwood Ill (Fog and road)
Klip-Beam—See Cable Electric Products Inc
Lamp Div Westinghouse Electric Corp MacArthur Ave Bloomfield N J "Westinghouse"
Lumidor Mfg. Co., 4801 E. 50th St., Los Angeles 58, Calif. "Royal Lumidor." (Road and spot.)
Nobby—See Do-Ray Lamp Co
PMCO—See Peterson Mfg Co
Pathfinder—See Auto Lamp Mfg Co
Peterson Mfg Co 2716 E 14th St Kansas City 27 Mo "PMCO" (Fog)
Roofmaster—See Carpenter Mfg. Co.
Royal Lumidor—See Lumidor Mfg. Co.
S & M Lamp Co 2369 E 51st St Los Angeles 54 Calif
Sparton Automotive Div of Sparton Corp Jackson Mich (Fog and auxiliary driving)
Supersite Corp 300 Seymour Ave Derby Conn "Dual-Lites" (Spot)
U. S. Metal Products Co., 1045 Atlantic Ave., Brooklyn 38, N. Y. "U. S. Pioneer." (Fog.)
Unity Mfg. Co., 2909 Indiana Ave., Chicago 16, Ill.
Westinghouse—See Lamp Div Westinghouse Electric Corp
Yankee Metal Products Corp., 25 Grand St., Norwalk, Conn. (Also combination mirror and spot light.)

LAMPS, Head

Arrow Safety Device Co Mt Holly N J (Bus etc)
Auto Lamp Mfg Co 2909 S Indiana Ave Chicago 9 Ill
Auto-Lite—See Electric Auto-Lite Co
Dietz Co R E 225 W Wilkinson St Syracuse 1 N Y
Do-Ray Lamp Co., 1458 S. Michigan Ave., Chicago 5, Ill.
Electric Auto-Lite Co Toledo 1 Ohio "Auto-Lite"
Eveready—See National Carbon Co
General Electric Co Miniature Lamp Dept Nela Park Cleveland 12 Ohio
Guide Lamp Div., General Motors Corp., 25th St. & Arrow Ave., Anderson, Ind
Hall Products Div of C M Hall Lamp Co 1035 E Hancock Ave Detroit 7 Mich (Also dual conversion kits)
K-D Lamp Co 1910 Elm St Cincinnati 10 Ohio
King Bee Mfg Co 2600 Washington Blvd Bellwood Ill
Lamp Div Westinghouse Electric Corp MacArthur Ave Bloomfield N J "Westinghouse"
Matchless Electric Co 1700 Washington Bl Chicago 12 Ill
National—See Wheel Parts & Mfg Co
National Carbon Co 30 E 42nd St New York 17 N Y "Eveready"
Regal Motor Products Inc 6325 Grand River Ave Detroit 8 Mich
Tung-Sol Electric Inc 95 8th Ave Newark 4 N J (Electric)
Westinghouse—See Lamp Div Westinghouse Electric Corp
Wheel Parts & Mfg Co 352 Fourth Ave N Y 10 N Y "National"
Yankee Metal Products Corp., 25 Grand St., Norwalk, Conn.

LAMPS, INCANDESCENT—See Lamps or Bulbs, Miniature Incandescent

LAMPS, Instrument Panel

King Bee Mfg Co 2600 Washington Blvd Bellwood Ill

LAMPS, PARKING—See Lamps, Back-Up, Cowl, Dome, Fender, Tail, Parking and Clearance

LAMPS, REEL—See also Lamps, Fog, Road and Spot

LAMPS, ROAD—See Lamps, Fog, Road and Spot

LAMPS, SIDE AND TAIL (ELECTRIC)—See Lamps, Back-Up, Cowl Dome, Fender, Tail, Parking and Clearance

LAMPS, STOP—See Signals, Direction Indicating (Auto)

LAMPS, Tell-Tale (Dash)

Cole-Hersee Co 20 Old Colony Ave Boston 20 Mass (Rear signal or tail lamp)
Rosen & Co A W 447 Tenth Ave N Y 7 N Y
Signal-Stat Corp Signal-Stat Bldg 523 Kent Ave Brooklyn 11 N Y (Hand brake and stop light)
Speaker Corp J W 3059 N Weil St Milwaukee 12 Wis (Hand brake)

LAMPS, Warning

Beacon-Ray—See Federal Sign & Signal Corp
Buckeye Iron & Brass Works 324 E Third St Dayton 1 Ohio (Oscillating and rotating red head lights for fire chiefs ambulances police depts etc)
Busch & Co A S 6138 Northwest Hwy Chicago 3 Ill "Flashy" (Plugs into cigar lighter socket)
Carpenter Mfg Co 195 Master-Light Bldg Somerville 45 Mass (Roof mounted colored flashing oscillating and rotating)
Do-Ray Lamp Co 1458 S Michigan Ave Chicago 5 Ill
Federal Sign & Signal Corp 8765 S State St Chicago 19 Ill "Federal" (Flashing red light for emergency vehicles, also combination siren and warning light for emergency and military vehicles; "Beacon Ray" "Fire-Ball" "Propello Ray" revolving)
Fire Ball—See Federal Sign & Signal Corp
Flashy—See A S Busch & Co
Griffin Lamp Co Shelby Miss (Flashing)
Grote Mfg Co Lafayette & Grandview Aves Bellevue Ky
Gyralite—See Pyle-National Co
King Bee Mfg Co 2600 Washington Blvd Bellwood Ill
Propello Ray—See Federal Sign & Signal Corp
Pyle-National Co 1334 N Kostner Ave Chicago 51 Ill "Gyralite" "Rota-Beam" (Revolving)
Rota-Beam—See Pyle-National Co
Signal-Stat Corp Signal-Stat Bldg 523 Kent Ave Brooklyn 11 N Y
Trippe Mfg Co 133 N Jefferson St Chicago 6 Ill (Revolving flashing)
Unity Mfg Co 2909 Indiana Ave Chicago 16 Ill (Red flashing)

LAMPS or BULBS, Miniature Incandescent

Eveready—See National Carbon Div Union Carbide & Carbon Corp
G-E—See General Electric Co Miniature Lamp Dept
General Electric Co Miniature Lamp Dept Nela Park Cleveland Ohio "G-E"
Hudson Lamp Co 528 Elm St Kearny N J
Lamp Div Westinghouse Electric Corp MacArthur Ave Bloomfield N J "Westinghouse"
Matchless Electric Co 1700 Washington Blvd Chicago 12 Ill
National Carbon Co Div of Union Carbide & Carbon Corp 30 E 42nd St New York 17 N Y "Eveready"
Penetray Corp 615 Front St Toledo 5 Ohio
Seabury & Co 1518 W 7th St Los Angeles 17 Calif
Sylvania Electric Products, Inc., Lighting Div., 60 Boston St., Salem, Mass.
Tung-Sol Electric Inc 95 Eighth Ave Newark 4 N J (Also cartridge type)
Westinghouse—See Lamp Div Westinghouse Electric Corp

LANDING GEARS, TRAILER—See Gears, Landing (Trailer)

LAPPING COMPOUNDS—See Compounds, Lapping

LAPPING MACHINES—See Machines, Lapping

LATCHES, HOOD—See Fasteners, Hood

LATHE ATTACHMENTS—See Centers, Lathe and Grinder; Chucks, Lathe; also Holders, Tool

LATHE TOOLS—See Tools, Lathe, Planer, Slotter and Shaper; also Tools, Turret Lathe

LATHES, Automatic and Semi-Automatic

Baird Machine Co 1700 Stratford Ave Stratford Conn (Vertical automatic)
Bullard Co 286 Canfield Ave Bridgeport 9 Conn "Bullard Hydra Feed"
Cone Automatic Machine Co., Windsor, Vt. (Bar and chucking.)
Duomatic—See Lodge & Shipley Co.
Fay—See Jones & Lamson Machine Co.
Gisholt Machine Co., 1307 E. Washington Ave., Madison 10, Wis. "Gisholt" (Hydraulic); "Gisholt Simplimatic"
Gisholt Simplimatic—See Gisholt Machine Co
Jones & Lamson Machine Co 523 Clinton St Springfield Vt "Fay"
LeBlond Machine Tool Co., R. K. Madison & Edwards Rds., Cincinnati 8, Ohio.
Lodge & Shipley Co., 3055 Colerain Ave., Cincinnati 25, Ohio. "Duomatic."
Loswing—See Seneca Falls Machine Co
Monarch Machine Tool Co., 402 Oak St., Sidney, Ohio.
Potter & Johnston Co., 1027 Newport Ave., Pawtucket, R. I. (Turret.)
Seneca Falls Machine Co 314 Fall St Seneca Falls N Y "Loswing"
Sundstrand Machine Tool Div of Sundstrand Corp Belvidere, Ill (Automatic)
Wickes Machine Tool Div Wickes Corp 515 N Washington Ave Saginaw Mich (Automatic)

LATHES, Bench

Atlas Press Co 1842 N Pitcher St Kalamazoo Mich "Atlas" & "Clausing"
Clausing—See Atlas Press Co
Elgin Tool Works, 67 N. State St., Elgin, Ill.
Hardinge Bros., Inc., 1418 College Ave., Elmira, N. Y. (Precision.)
LeBlond Machine Tool Co R K Madison & Edwards Rds Cincinnati 8 Ohio "LeBlond Regal"
Rivett Inc 20 Riverview Rd Brighton Boston Mass
Sheldon Machine Co., 4240 N. Knox Ave., Chicago 41, Ill.
South Bend Lathe Works 425 E Madison St South Bend 22 Ind

LATHES, Boring

Betts—See Consolidated Machine Tool Div
Bradford Machine Tool Co., 657 Evans St., Cincinnati, Ohio.
Consolidated Machine Tool Div Farrel-Birmingham Co 565 Blossom Rd Rochester 10 N Y "Betts"
LeBlond Machine Tool Co R K Madison & Edwards Rds Cincinnati 6 Ohio (Horizontal)
Seneca Falls Machine Co 314 Fall St Seneca Falls N Y

LATHES, Cam Turning

Crankshaft Machine Co 314 N Jackson St Jackson Mich "Jackson"
Jackson—See Crankshaft Machine Co

LATHES, Center Drive Facing

Seneca Falls Machine Co 314 Fall St Seneca Falls N Y
Wickes Machine Tool Div Wickes Corp 515 N Washington Ave Saginaw Mich

LATHES, Chucking

Cleveland Automatic Machine Co 4932 Beach St Norwood Cincinnati 12 Ohio
Gisholt Machine Co 1307 E Washington St Madison 10 Wis (Automatic)
Hardinge Bros., Inc., 1418 College Ave., Elmira, N. Y. (Horizontal.)
Monarch Machine Tool Co 402 Oak St Sidney Ohio
Sundstrand Machine Tool Div of Sundstrand Corp Belvidere Ill

LATHES, CHUCKING (MULTIPLE SPINDLE)—See Machines, Chucking (Multiple Spindle)

LATHES, Contouring

Cincinnati Lathe & Tool Co Cincinnati 9 Ohio "Cincinnati Hydraguide"
Mackintosh-Hemphill Div E W Bliss Co 901 Bingham St SS Pittsburgh 3 Pa
Seneca Falls Machine Co 314 Fall St Seneca Falls N Y

LATHES, Copying

American Tool Works Co Pearl & Eggleston Aves Cincinnati 2 Ohio (Hydraulic)
Copymatic—See Lodge & Shipley Co
Lodge & Shipley Co 3055 Colerain Ave Cincinnati 25 Ohio "Copymatic"
New Britain Machine Co New Britain-Gridley Machine Div South St New Britain Conn "New Britain +GF+"

LATHES, Crankshaft

Betts—See Consolidated Machine Tool Div
Consolidated Machine Tool Div Farrel-Birmingham Co 565 Blossom Rd Rochester 10 N Y "Betts"
Crankshaft Machine Co 314 N Jackson St Jackon Mich "Jackson"
Jackson—See Crankshaft Machine Co
LeBlond Machine Tool Co R K Madison & Edwards Rds Cincinnati 8 Ohio (Automatic)
Seneca Falls Machine Co 314 Fall St Seneca Falls N Y
Wickes Machine Tool Div Wickes Corp 515 N Washington Ave Saginaw Mich

LATHES, Engine and Tool Room

American Tool Works Co., Pearl & Eggleston Aves., Cincinnati 2, Ohio
Atlas Press Co 1842 N Pitcher St Kalamazoo Mich
Axelson—See Clearing Div of U S Industries Inc
Barber-Colman Co 1300 Rock St Rockford Ill "Hendey"
Betts—See Consolidated Machine Tool Div
Bradford Machine Tool Co 722 Porter St Lansing 5 Mich
C & J—See Carroll-Jamieson Machine Tool Co.
Carroll-Jamieson Machine Tool Co., Davis Rd., Batavia, Ohio. "C & J." (Engine.)
Chard—See Western Machine Tool Works.
Cincinnati Lathe & Tool Co Cincinnati 9 Ohio "Tray-Top"
Clearing Div of U S Industries Inc 6499 W 65th St Chicago 38 Ill "Clearing-Axelson" "Clearing-Harrison"
Consolidated Machine Tool Div Farrel-Birmingham Co 565 Blossom Rd Rochester 10 N Y "Betts" (Engine)
Delta-Rockwell—See Rockwell Mfg Co
Hardinge Bros., Inc., 1418 College Ave., Elmira, N. Y. (Precision tool room.)
Hendey—See Barber-Colman Co
LeBlond Machine Tool Co., R. K., Madison & Edwards Rds., Cincinnati 8, Ohio. (Precision.)
Lehmann-Brandes Machine Co 3560 Chouteau Ave St Louis 3 Mo (Engine)
Lodge & Shipley Co., 3055 Colerain Ave., Cincinnati 25, Ohio. "Powerturn."
Logan Engineering Co., 4901 W. Lawrence Ave., Chicago 30, Ill.
Mackintosh-Hemphill Div E W Bliss Co 901 Bingham St S S Pittsburgh 3 Pa (Engine)
Monarch Machine Tool Co., 402 Oak St., Sidney, Ohio.
Nebel Machine Tool Corp Nebel Lathe Div 3401 Central Parkway Cincinnati 25 Ohio
Porter-McLeod Machine Tool Co Prospect St Hatfield Mass
Powerturn—See Lodge & Shipley Co
Pratt & Whitney Co Charter Oak Blvd West Hartford 1 Conn (Tool room)
Rivett Inc 20 Riverview Rd Brighton Boston 35 Mass
Rockford Machine Tool Co., 2400 Kishwaukee St., Rockford, Ill.
Rockwell Mfg Co Delta Power Tool Div 400 N Lexington Ave Pittsburgh 8 Pa "Delta-Rockwell"
Sheldon Machine Co., 4240 N. Knox Ave., Chicago 41, Ill.
Sidney Machine Tool Co., Highland Ave., Sidney, Ohio
Simmons Machine Tool Corp., N. Broadway, Albany 1, N. Y.
South Bend Lathe Works 425 E Madison St South Bend 22 Ind
Springfield Machine Tool Co 631 Southern Ave W Springfield Ohio
Tray-Top—See Cincinnati Lathe & Tool Co
Wade Tool Co 49 River St Waltham 54 Mass (Tool room)
Western Machine Tool Works 255 N Ninth St Holland Mich "Chard" (Engine)
Wickes Machine Tool Div Wickes Corp 515 N Washington Ave Saginaw Mich (Engine)

LATHES, Extension and Gap

LeBlond Machine Tool Co., R. K., Madison & Edwards Rds Cincinnati 8 Ohio (Gap)
Lodge & Shipley Co., 3055 Colerain Ave., Cincinnati 25, Ohio. (Gap.)
Nebel Machine Tool Corp Nebel Lathe Div 3401 Central Parkway Cincinnati 25 Ohio
Sidney Machine Tool Co Highland Ave Sidney Ohio (Gap)

LATHES, Flywheel

Riess Equipment Co., Water St., Pottstown, Pa

LATHES, Metal Spinning

Ferracute Machine Co., 429 E. Commerce St., Bridgeton, N. J.

LATHES, PATTERN MAKERS'—See Lathes, Woodworking

LATHES, POLISHING—See Machines, Buffing and Polishing

LATHES, Precision

Olofsson Corp 2727 Lyons Ave Lansing Mich
Pratt & Whitney Co Charter Oak Blvd West Hartford 1 Conn
Rivett Inc 20 Riverview Rd Brighton Boston Mass
Sebastian—See Sheldon Machine Co
Sheldon Machine Co 4240 N Knox Ave Chicago 41 Ill "Sebastian" & "Sheldon"
South Bend Lathe Works 425 E Madison St South Bend 22 Ind

LATHES, Special Piston

Loswing—See Seneca Falls Machine Co
Seneca Falls Machine Co 314 Fall St Seneca Falls N Y **"Loswing"**
Trucut—See Frank N Wood Co
Wood Co Frank N 344 W Main St Waukesha Wis "Trucut" (Regrooving, cleaning and centering)

LATHES, Speed

Cincinnati Electrical Tool Co 300 Mt Hope Ave Cincinnati 4 Ohio
Schauer Mfg Corp 4500 Alpine Ave Rossmoyne Ohio

LATHES, T

Lodge & Shipley Co 3055 Colerain Ave Cincinnati 25 Ohio

LATHES, TOOL ROOM—See Lathes, Engine and Tool Room

LATHES, Turret

(Including vertical and horizontal types)
Bardons & Oliver, Inc., 1133 W. Ninth St., Cleveland 13 Ohio
Bullard Co 286 Canfield Ave Bridgeport 9 Conn "Cut Master" "Man-Au-Trol" (Vertical)
Challenge Mchry Co First & Columbus Sts Grand Haven Mich
Cut Master—See Bullard Co.
Giddings & Lewis Machine Tool Co Kaukauna Div Kaukauna Wis
Gisholt Fastermatic—See Gisholt Machine Co
Gisholt Machine Co 1307 E Washington Ave Madison 10 Wis "Gisholt Fastermatic" "Gisholt Masterline" (Automatic; "Gisholt" ram and saddle types)
J & L—See Jones & Lamson Machine Co
Jones & Lamson Machine Co 523 Clinton St Springfield Vt "J & L"
Logan Engineering Co 4901 W Lawrence Ave Chicago 30 Ill
Man-Au-Trol—See Bullard Co.
National Acme Co 170 E 131st St Cleveland 8 Ohio
Oster Mfg Co E 289th St Wickliffe Ohio "Rapiduction"
Potter & Johnston Co 1027 Newport St Pawtucket R I (Automatic)
Rapiduction—See Oster Mfg Co
Rivett Inc 20 Riverview Rd Brighton Boston 35 Mass
Sheldon Machine Co., 4240 N Knox Ave., Chicago 41, Ill.
Simmons Machine Tool Corp., N. Broadway, Albany 1, N. Y
South Bend Lathe Works 425 E Madison St South Bend 22 Ind
Wade Tool Co 49 River St Waltham 54 Mass (Hand)
Warner & Swasey Co., 5701 Carnegie Ave. Cleveland 3, Ohio

LATHES, Vertical

Sundstrand Machine Tool Div of Sundstrand Corp Belvidere Ill

LATHES, Woodworking

Atlas Press Co 1842 N Pitcher St Kalamazoo Mich
Blount Co J G Newton Rd Littleton Mass
Boice-Crane Co., 930 W. Central Ave., Toledo 6, Ohio.
Delta-Rockwell—See Rockwell Mfg Co
Goodspeed Machine Co., 202 Spruce St., Winchendon, Mass.
Rockwell Mfg Co Delta Power Tool Div 400 N Lexington Ave Pittsburgh 8 Pa "Delta-Rockwell"
Yates-American Machine Co Beloit Wis

LEAD, Battery

Belmont Smelting & Refining Works, 326a Belmont Ave., Brooklyn, N. Y.
Bunker Hill Co Fifth Floor 660 Market St San Francisco 4 Calif
Divco—See Division Lead Co.
Division Lead Co 7742 W 61st Pl Summit Ill "Divco"
Federated Metals Div American Smelting & Refining Co 120 Broadway N Y 5 N Y

LEAD BURNERS—See Burners, Lead

LEADS, High Frequency (For Induction Heating)

Titeflex Inc Hendee St Springfield 4 Mass

LEAF SPRINGS—See Springs, Leaf

LEATHER, ARTIFICIAL OR IMITATION—See Fabric, Coated Cloth (For Curtains, Seat Covers, Tops and Upholstery)

LEATHER, Natural (Upholstery)

American Leather Mfg Co 250 Passaic St Newark 4 N J
Ashtabula—See Blanchard Bro & Lane
Blanchard Bro & Lane Inc Ashtabula Hide & Leather Div 3906 Main Ave Ashtabula Ohio "Ashtabula" (Sole distributors Ryan Sales & Engrg Co 7545 Lyndon Ave Detroit 38 Mich)
Burnished Castilian — See Lackawanna Leather Co
Down Cushion—See Eagle-Ottawa Leather Co
Eagle-Ottawa Leather Co Grand Haven Mich "Down Cushion" "Guildhall" "London Glaze" "Nottingham"
Feathersoft—See Lackawanna Leather Co
Featherwhite—See Lackawanna Leather Co
Garden State Tanning Inc 12 E 33rd St N Y 16 N Y "Gartan"
Gartan—See Garden State Tanning Inc
Glazed Antique—See Lackawanna Leather Co
Guildhall—See Eagle-Ottawa Leather Co
Lackawanna Leather Co 700 Grand Ave Hackettstown N J "Luxor" "Peerless Antique" "Glazed Antique" "Burnished Castilian" "Feathersoft" "Featherwhite" (For upholstery)
London-Glaze — See Eagle-Ottawa Leather Co
Luxor—See Lackawanna Leather Co
Nottingham—See Eagle-Ottawa Leather Co
Peerless Antique—See Lackawanna Leather Co.
Radel Leather Mfg Co 445 Wilson Ave Newark N J

LEATHER, PUMP—See Gaskets, Leather

LEATHER, UPHOLSTERY — See Fabric, Coated Cloth (For Seat Covers, Tops and Upholstery); also Leather, Natural (Upholstery)

LEATHER PACKING—See Packing Leather

LEATHER SHIMS—See Shims, Leather

LENSES, Lamp (Glass and Plastic)

American Optical Co Safety Products Div Mechanic St Southbridge Mass (Glass)
Auto Lamp Mfg Co Alco Div 2909 S Indiana Ave Chicago 9 Ill (Plastic)
Auto-Lite—See Electric Auto-Lite Co
Do-Ray Lamp Co 1458 S Michigan Ave Chicago 5 Ill (Glass)
Electric Auto-Lite Co Toledo 1 Ohio "Auto-Lite" (Glass)
Glo-Brite—See Johnson Glass & Plastic Corp
Grillin Lamp Co Shelby Miss
Grote Mfg Co Lafayette & Grandview Aves Bellevue Ky (Plastic)
Guide Lamp Div General Motors Corp 25th St & Arrow Ave Anderson Ind (Plastic)
Johnson Glass & Plastic Corp 5248 Elston Ave Chicago 30 Ill "Lynx-Eye" (Tail and parking "Glo-Brite" plastic tail and parking)
K-D Lamp Co 1910 Elm St Cincinnati 10 Ohio
King Bee Mfg Co 2600 Washington Blvd Bellwood Ill
Lancaster Glass Corp 220 W Main St Lancaster Ohio (Tail stop parking backup directional interior dimming devices etc)
Lynx-Eye—See Johnson Glass & Plastic Corp
National—See Wheel Parts & Mfg Co
Parco—See Parts Mfg Co
Parts Mfg Co 311 W 66 St N Y 23 N Y "Parco"

Stimsonite Div of Elastic Stop Nut Corp of America 3445 N Kimball Ave Chicago 18 Ill (Plastic)
Thatcher Glass Mfg Co McKee Div Jeannette Pa (Glass)
Wheel Parts & Mfg Co 352 Fourth Ave N Y 10 N Y "National"
Yankee Metal Products Corp 25 Grand St Norwalk Conn (Glass)

LEVELLERS, Sheet Metal

Kane & Roach Inc Niagara & Shonnard Sts Syracuse 4 N Y
Sutton Engrg Co First National Bank Bldg Pittsburgh 22 Pa (For body stock)
Union Tool Corp 800 N Detroit St Warsaw Ind
Yoder Co 5553 Walworth Ave Cleveland 2 Ohio

LEVERS, Brake and Gear Shift

(Finished or machined levers. For levers in the rough—see Castings; also Forgings)

American Forging & Socket Co PO Box 210 Pontiac Mich
Batavia Metal Products Corp., Liberty & School Sts., Batavia, N. Y.
Bingham Stamping Div Bingham-Herbrand Corp., 1062 Post St Toledo, Ohio (Brake.)
Chicago Forging & Mfg Co 2000 Southport Ave Chicago 14 Ill (Brake)
Cleveland—See H K Porter Co
Eaton Mfg Co Stamping Div 17877 St Clair Ave Cleveland 10 Ohio (Gear shift)
Orscheln Brake Lever Mfg Co 1177 N Morley St Moberly Mo (Brake for trucks)
Porter Co H K Forge & Fittings Div Cleveland Forge Works 3200 E 79th St Cleveland 4 Ohio "Cleveland"
Ryerson & Haynes Inc 2307 E Sanson St Jackson Mich (Brake)
Tube Manifold Corp 415 Bryant St North **Tonawanda N Y (Gear shift)**

LIFTERS, Sheet Steel

Cullen-Friestedt Co 1300 S Kilbourn Ave Chicago 23 Ill "C-F"
Die & Automation Inc 5353 Dixie Highway Hamilton Ohio
Heppenstall Co 4620 Hatfield St Pittsburgh 1 Pa
Littell Machine Co F J 4125 Ravenswood Ave Chicago 13 Ill
Union Tool Corp 800 N Detroit St **Warsaw** Ind

LIFT TRUCK PLATFORMS—See Platforms, Lift Truck

LIFT TRUCKS—See Trucks, Lift

LIFTING TONGS, AUTOMATIC—See Tongs, Lifting (Automatic)

LIFTS, Auto

Globe Hoist Co E Mermaid Lane & Queen St Philadelphia 18 Pa (Hydraulic, air and electrically operated)

LIFTS, Industrial

Airdraulic—See Rotary Lift Co
Flodraulic—See Rotary Lift Co
Globe Hoist Co E Mermaid Lane & Queen St Philadelphia 18 Pa
Rotary Lift Co 1054 Kansas St Memphis 2 Tenn "Airdraulic" "Flodraulic"
United States Air Compressor Co 5300 Harvard Ave Cleveland 5 Ohio

LIFTS, TELESCOPE—See Elevators, Industrial (Portable)

LIFTS, Truck and Bus

Globe Hoist Co E Mermaid Lane & Queen St Philadelphia 18 Pa (Electric)

LIGHT RELAYS—See Relays, Horn and Light

LIGHTERS, Cigar or Cigarette (Electric)

(For use on car from regular lighting battery)

Casco Products Corp., 512 Hancock Ave., Bridgeport 2, Conn. "Perfection," "Casco."
Cuno Engineering Corp., 80 S. Vine St., Meriden, Conn
Eagle Electric Mfg Co 23-10 Bridge Plaza South Long Island City 1 N Y
Perfection—See Casco Products Corp.
RP—See Rochester Products Div General Motors Corp
Rochester Products Div General Motors Corp 1000 Lexington Ave Rochester 3 N Y "RP"
Santay Corp., 351 N. Crawford Ave., Chicago 24, Ill. (Automatic)
Sinko Mfg & Tool Co 7310 W Wilson Ave Chicago 31 Ill (Automatic)

LIGHTS—See Lamps

LIGHTS, REFLECTING — See Reflectors, Safety

LIGHTS, STOP—See Signals, Direction Indicating (Auto)

LIGHTS, TIMING—See Instruments, Timing

LIMIT GAGES—See Gages, Limit

LIMIT SWITCHES — See Switches, Limit (Machine Tool)

LINING, Body or Frame

(For use between body sill and steel frames to prevent squeaking)

American Felt Co Glenville Conn
Armstrong Cork Co Industrial Div 7011 Imperial Ave Lancaster Pa
Black Diamond—See Uniform Hood Lace Co
Booth Felt Co 1726 Tenth Ave Brooklyn 15 N Y
Commonwealth Felt Co 74 Summer St Boston 9 Mass "Perfection"
Felters Co 210 South St Boston 11 Mass
Gilmer Co., L. H., Cottman & Keystone Sts. (Taconv), Philadelphia, Pa.
Jalean—See Uniform Hood Lace Co.
Keystone Roofing Mfg Co Franklin St & **PRR York Pa**
Laflex—See Latex Fiber Industries, Inc.
Latex Fiber Industries, Inc., Beaver Falls N. Y. "Lexide," "Laflex."
Lexide—See Latex Fiber Industries, Inc.
Perfection—See Commonwealth Felt Co.
Rhopac Inc 3425 Cleveland St Skokie Ill
Silenite—See John Warren Watson Co.
Stevens Co., A. T., 118 E. 28th St., New York 16, N. Y.
Uniform Hood Lace Co 633 E St Clair St Indianapolis 2 Ind "Black Diamond," "Jalean."
Watson Co., John Warren, 1924 Hunting Park Ave., Philadelphia 40, Pa. "Silenite."
Western Felt Works 4021 W Ogden Ave Chicago 23 Ill

LINING, Brake

American Brakeblok Div American Brake Shoe Co 900 Maple Rd Troy Mich
Anchor Packing Co., 401 N. Broad St., Philadelphia 8, Pa. "Ankorite."
Asbestos Mfg. Co., E. Sabine St., Huntington, Ind. "Amco."
Asbestos Textile Co., 165 W. Wacker Drive, Chicago 1, Ill.
Atlas Asbestos Co 469 Walnut St North Wales Pa "Atlas" "Old Ironsides" "Quaker" "Bodygard" "Lifegard" "Master"
Bendix Eclipse—See Marshall-Eclipse Div of Bendix Aviation Corp
Bendix Products Div Bendix Aviation Corp South Bend 20 Ind
Blue Ribbon—See Gatke Corp
Firestone Tire & Rubber Co 1200 Firestone Parkway Akron Ohio
Gatke Corp 228 N La Salle St Chicago 1 Ill "Gatke" "Grooved" "Malablok" "Duz-All" "Waffle Block" "Blue Ribbon" "Standard" "Heavy Duty Woven" "Rugged Blocks"
Gempco—See General Metals Powder Co
General Metals Powder Co., 130 Elinor Ave., Akron 5, Ohio. "Gempco."
Grey Rock Div of Raybestos-Manhattan Inc Manheim Pa
Grizzly Mfg Div of Mar Pro Inc 700 W Caroline St Paulding Ohio "Grizzly Syncro-Set" "Grizzly Silvertip" "X-T" "Grizzly Saftibond"
Hope Webbing Co P O Box 1495 Providence 1 R I
Inland Mfg Div-General Motors Corp 2727 Inland Ave Dayton 1 Ohio "Inlite"
Johns-Manville 22 E 40th St New York **16 N Y "J-M" "4-Star" "Wireklad"**
Lasco Brake Products Corp 2615 Magnolia St Oakland Calif
Marshall-Eclipse Div of Bendix Aviation Corp., **Box 538, Troy, N. Y. "Bendix Eclipse."**
Miley Co L J 18 S Sangamon St Chicago 7 Ill "Champion" "Miley" "Miley Black Gold" "Miley Ebonite" "Premier" "Zeebee"
Molded Materials Div, Carlisle Corp., Gillis Ave., Ridgway, Pa. "Mold-Blok."
National Brake Block Co 37-17 57th St Woodside 77 N Y "National" "Seg-Mold"; "Alltex" (Woven)
National Vulcanized Fibre Co Maryland Ave & Beech St Wilmington 99 Del (Fibre)
Porter Co H K Thermoid Div 200 Whitehead Rd Trenton 6 N J "Thermoid"
R/M—See Raybestos-Manhattan Inc
Rawhide Products Co., Michigan Ave., Kenilworth, N. J. "Gripper."
Raybestos Div of Raybestos-Manhattan Inc 75 E Main St Stratford 2 Conn
Raybestos-Manhattan Inc Equipment Sales Div PO Box 1021 Bridgeport Conn "R/M"
Raybestos-Manhattan Inc General Asbestos & Rubber Div North Charleston S C
Rex-Hide Brake Lining Co 515 Prospect St **East Orange N J Rex-Hide" "Rex-85" "Rex-Hy" "Rex-88" "Rexstar"**
Rossendale Ruboil Co., 30 Euclid Ave., Newark, N J "Reddaway."
Russell Mfg. Co., Middletown, Conn. "Rusco."
Scandinavia Belting Co 112 Keswick Ave Charlotte 1 N C "Scandinavia" "Halo"
Silver Line Brake Lining Corp 5618 E Washington Blvd Los Angeles 22 Calif "Silver-Bond" "Silver Line" "Silvermatic"
Southern Friction Materials Co Box 1475 Charlotte N C
Thermoid—See H K Porter Co Thermoid Div
Universal Friction Materials Div of Gairing Tool Co 1700 United Artists Bldg Detroit 26 Mich
Velvetouch—See S. K. Wellman Co.
Wagner Electric Corp 6400 Plymouth Ave St Louis 33 Mo "Wagner CoMaX"
Wellington Sears Co 111 W 40th St N Y 18 N Y
Wellman Co S K 200 Egbert St Bedford Ohio "Velvetouch" (Metallic)
World Bestos Div of Firestone Tire & Rubber Co 1112 S 25th St New Castle Ind
X-T—See Grizzly Mfg Div

LINING, FRAME—See Lining, Body or Frame

LININGS, Head

Burlington Mills Inc., Burlington, Wis.
Carstenite—See Technical Ply-Wood Sales
Naugalite—See United States Rubber Co.
Pacific Mills Auto Fabrics Div Pacific Mills Domestics Corp 1407 Broadway N Y 18 N Y
Sackner Products Inc 901 Ottawa Ave NW Grand Rapids 2 Mich
Stevens & Co J P 803 W 11 Mile Rd Royal Oak Mich
Technical Ply-Wood Sales 6756 Crandon Ave Chicago 49 Ill "Carstenite"
Textileather Div of General Tire & Rubber Co 607 Madison Ave Toledo 3 Ohio
Textilene Sunsure—See E W Twitchell Inc
Twitchell Inc E W 3rd & Somerset Sts Philadelphia 33 Pa "Textilene Sunsure" (Fibre)
United States Rubber Co., Rockefeller Center, 1230 Ave. of the Americas, New York 20, N. Y. "Naugalite."
Wellington Sears Co., 65 Worth St., New York 13, N. Y.
Woodall Industries Inc 7565 E McNichols Rd Detroit 34 Mich

LININGS, Transmission

Kelsey-Hayes Co 2600 Military Ave Detroit 22 Mich
World Bestos Div of Firestone Tire & Rubber Co 1112 S 25th St New Castle Ind

LINKS, Spring Shackle

Porter Co H K Forge & Fittings Div Cleveland Forge Works 3200 E 79th St Cleveland 4 Ohio "Cleveland"

LINKS, STEERING—See Connectors, Steering

LINOLEUM — See Coverings, Floor (Bus or Truck)

LOADERS, Truck (Elevating Tailgate)

(Hydraulically-powered from truck engine)

Anthony Co Streator Ill "Lift-Gate"
Cemco Industries Inc Galion Ohio
Converto Mfg Co Third & Green Sts Cambridge City Ind "Converto-Wood"
Curtis Automotive Devices Inc PO Box 297 Westfield Ind "Master Loader" (Electric; sole distributors Collins & Associates 4906 Heuwerth Ave Cincinnati 38 Ohio)
Daybrook Hydraulic Div Young Spring & Wire Corp Bowling Green Ohio "Daybrook Power Gate"
Galion Allsteel Body Co 605 S Market St Galion Ohio "Galion Loadevator"

LOADERS, Truck (Elevating Tailgate)—continued

Gar Wood Industries Inc Wayne Mich "Gar-
wood-St Paul Frate Gate"
Heil Co 3000 W Montana St Milwaukee 1
Wis "Heiloader" (Hydraulic)
Hercules Steel Products Co 500 Sherman
St Galion Ohio
Lift-Gate—See Anthony Co
Marion Metal Products Co Cheney Ave
Marion Ohio "Marion Hydrogate"
Master Loader—See Curtis Automotive De-
vices Inc
Midwest Body & Mfg Div Electrographic
Corp 8 Central St Paris Ill
Minneapolis Freeman Mfg Co 5610 W 36th
St Minneapolis 16 Minn
Perfection Steel Body Co S East St Galion
Ohio
Revolvator Co U S Route 1 at 86th St North
Bergen N J
Stratton Equipment Co 2030 E 105th St
Cleveland 6 Ohio (Also side loaders; also
garbage loader)
Ven Corp 2828 Newell St Los Angeles 39
Calif "Venco" (Electric)
Watson Co H S 1316 67th St Emeryville 8
Calif "Watson Weight-lifter"

LOADERS and UNLOADERS, Automatic (For Presses, Die Casting and Welding Machines, Shears, etc.)

Allied Research Products Inc 4004 E Monu-
ment St Baltimore 5 Md "Wagner"
Die & Automation Inc 5353 Dixie Highway
Hamilton Ohio
Gleason Works 1000 University Ave Roches-
ter 3 N Y (Press unloaders)
Hautau-mation Inc 721 Wanda St Ferndale
20 Mich
Michigan Tool Co Gear-O-Mation Div 7171
McNichols Rd E Detroit 12 Mich
Murray-Way Corp Maple Rd E Birming-
ham Mich
National Broach & Machine Co 5600 St Jean
Ave Detroit 13 Mich "Red Ring"
Press Automation Systems Inc 25418 Ryan
Rd Center Line Mich
Red Ring—See National Broach & Machine
Co
Sahlin Engrg Co 750 Maple Rd Birmingham
Mich "Sahlin Iron Hand" (Unloaders)
Sesco Inc 8881 Central Ave Detroit 4 Mich
(Presses)
Wagner—See Allied Research Products Inc
Wickes Machine Tool Div Wickes Corp 515
N Washington Ave Saginaw Mich (For
grinders)

LOCK BOLTS—See Bolts, Lock

LOCK NUTS—See Nuts, Lock and Self-Locking

LOCK SWITCHES—See Locks, Ignition

LOCK WASHERS—See Washers, Lock; also Nuts, Lock and Self-Locking

LOCKS, Brake (Hill Holding)

Diamond-U Products 8459 Dearborn Ave
South Gate Calif "Hold-A-Car"
Hold-A-Car—See Diamond-U Products
Mico—See Minnesota Automotive Inc
Minnesota Automotive Inc 1101 N Front St
Mankato Minn "Mico"
NoRol—See Wagner Electric Corp
Sure-Rite Hill Holder—See Warehouse Dist
Co
Wagner Electric Corp 6400 Plymouth Ave
St Louis 33 Mo "NoRol"
Warehouse Distributing Co 3810 N 19th St
Philadelphia 40 Pa "Sure-Rite Hill Holder"

LOCKS, Door (Auto)

Atwood Vacuum Machine Co 1400 Eddy Ave
Rockford Ill
Briggs & Stratton Corp., 2711 N. 13th St.,
Milwaukee 1, Wis.
Chicago Lock Co., 2024 N. Racine Ave., Chi-
cago 14, Ill.
Cleveland—See H K Porter Co
Eberhard Mfg Co Div Eastern Malleable
Iron Co 2734 Tennyson Rd Cleveland 4
Ohio "Eberhard Clamptite" (Door and
tailgate lock for trucks)
Ferro Stampings Co 1367 Franklin St Detroit
7 Mich
Hancock Mfg Co 225 N Horton St Jack-
son Mich
Hansen Mfg Co A L 5037 Ravenswood Ave
Chicago 40 Ill (Truck body)
Hurd Lock & Mfg Co 9689 Grand River Ave
Detroit 4 Mich
Ilco—See Independent Lock Co
Independent Lock Co 49 Daniels St Fitch-
burg Mass "Ilco"
Murphy Sales Co Box 5416 Lake St Sta
Minneapolis 8 Minn "Save-A-Life" (Elec-
tric for rear doors)
Porter Co H K Forge & Fittings Div Cleve-
land Forge Works 3200 E 79th St Cleve-
land 4 Ohio "Cleveland"
Radiator Specialty Co 1400 W Independence
Blvd Charlotte 1 N C "Saf-T-Lok"
Regal Motor Products Inc 6325 Grand River
Ave Detroit 8 Mich
Saf-T-Lok—See Radiator Specialty Co.
Save-A-Life—See Murphy Sales Co
Standard Products Co 2130 W 110th St Cleve-
land 2 Ohio (Door deck lid lift gate and
tailgate)

LOCKS, Ignition

Briggs & Stratton Corp., 2711 N. 13th St.,
Milwaukee 1, Wis.
Chicago Lock Co., 2024 N. Racine Ave., Chi-
cago 14, Ill.
Clum Mfg. Co., 601 W. National Ave., Mil-
waukee 4, Wis.
DMP—See Detroit Master Products Co
Detroit Master Products Co 16490 Wood-
ward Ave Detroit 3 Mich "DMP"
Eagle Lock & Screw Co S Main St Terry-
ville Conn
Freedco Products Inc 36-08 33rd St Long
Island City 6 N Y
Gasco—See General Automotive Specialty
Co.
General Automotive Specialty Co 10-40 45th
Ave Long Island City 1 N Y "Gasco"
Hurd Lock & Mfg Co 9689 Grand River Ave
Detroit 4 Mich
Ilco—See Independent Lock Co
Independent Lock Co 49 Daniels St Fitch-
burg Mass "Ilco"
Mitchell Special Div Industrial Enterprises
Inc Shelmire & Edmund Sts Philadelphia
36 Pa "Mitchellock"

LOCKS, Nut

American Nut & Bolt Fastener Co., 2029
Doerr St Pittsburgh 33 Pa "Bartley" "O S"
Bartley—See American Nut & Bolt Fastener
Co
Greer Stop Nut Co 2622 W Flournoy St Chi-
cago 12 Ill
Hill Nut Co., 2620 W. Flournoy St., Chicago
12, Ill.
O S—See American Nut & Bolt Fastener Co
Speed Grip—See Tinnerman Products Inc
Tinnerman Products Inc 8700 Brookpark Rd
Cleveland Ohio "Speed Grip"

LOCKS, Tire and Wheel (Spare and Running)

Chicago Lock Co., 2024 N. Racine Ave., Chi-
cago 4, Ill. (Spare.)

LOCKS, Trailer

Bartlett Trailer Corp 3080 Archer Ave Chi-
cago 8 Ill
Chicago Lock Co., 2024 N. Racine Ave., Chi-
cago 4, Ill.

LOCKS, VALVE SPRING RETAINER—See Keys, Valve Stem

LOW AIR PRESSURE WARNING SWITCHES (TRUCKS)—See Switches, Low Air Pressure Warning (Trucks)

LUBRICANT ADDITIVES—See Additives, Oil and Lubricant

LUBRICANTS, Gear

Dentax—See Shell Oil Co
Mobilube—See Socony-Mobil Oil Co
Monsanto Chemical Co Petroleum Chemicals
Dept St Louis 66 Mo (Oil)
Shell Oil Co 50 W 50th St New York 20 N Y
"Dentax" "Spirax"
Socony-Mobil Oil Co 150 E 42nd St New
York N Y "Mobilube"
Spirax—See Shell Oil Co

LUBRICATING GRAPHITE—See Graphite, Lubricating

LUBRICATORS, Air Line

Airliner—See Gits Bros Mfg Co
Atomizer—See Wilkerson Corp
Bijur Lubricating Corp 151 W Passaic St
Rochelle Park N J
CP—See Chicago Pneumatic Tool Co
Chicago Pneumatic Tool Co 6 E 44th St
N Y 17 N Y "CP"
Cleco Div of Reed Roller Bit Co 5125 Clinton
Dr Houston 1 Texas
Crown—See Hannifin Co
DeVilbiss Co 300 Phillips Ave Toledo 1 Ohio
Gardner-Denver Co S Front St Quincy Ill
Gits Bros Mfg Co 1846 S Kilbourn Ave Chi-
cago 23 Ill "Airliner"
Hanna Engrg Works 1765 Elston Ave Chi-
cago 22 Ill
Hannifin Co 543 S Wolf Rd Des Plaines
Ill "Crown"
Modernair Corp 400 Freda St San Leandro
Calif
Norgren Co C A 3400 S Elati St Englewood
Colo (Machinery cylinder and power tools)
S-P Mfg Corp 30201 Aurora Rd Solon Ohio
Wilkerson Corp 1601 W Girard Ave Engle-
wood Calif "Atomizer"

LUBRICATORS, Hand

(Including type commonly known as grease and oil guns; also high pressure type; see also Lubricators, Portable High Pressure; for car lubricators see Pumps, Oil Circulating; also Fittings, Lubricating)

Alemite—See Stewart-Warner Corp.
Balcrank, Inc., Disney St. nr. Marburg,
Cincinnati, Ohio.
Bennett—See John Wood Co Bennett Pump
Div
Bijur Lubricating Corp 151 W Passaic St
Rochelle Park N J
Bowen Products Corp Auburn N Y
Coil Mfg Co 1013 N Fares Ave Evansville 11
Ind (Universal joint, clutch and shock
absorber)
De Vilbiss Co., 300 Phillips Ave., Toledo 1,
Ohio.
Dixon Crucible Co., Joseph, Monmouth &
Wayne Sts., Jersey City 3, N. J. "Graph-
Air" & "Graphojet." (Graphite.)
Gilbarco—See Gilbert & Barker Mfg. Co.
Gilbert & Barker Mfg Co Cold Spring Ave
West Springfield Mass "Gilbarco"
Graco—See Gray Co.
Graph-Air—See Joseph Dixon Crucible Co.
Graphojet—See Joseph Dixon Crucible Co
Gray Co 60 11th Ave N E Minneapolis 13
Minn "Graco"
Grayson Tool Co., 1412 W. Second St., Hast-
ings, Neb.
Grover Mfg Corp 850 E Valley Blvd San
Gabriel Calif
Handi-Lubers—See Lincoln Engineering Co.
Lincoln Engineering Co 4010 Goodfellow
Blvd St Louis 20 Mo "Handi-Lubers"
Noera Mfg. Co., Div. of Chase Brass & Cop-
per Co., 236 Grand St., Waterbury 20
Conn.
Stewart-Warner Corp., Alemite Div., 1826
Diversey Parkway, Chicago 14, Ill. "Alem-
ite."
Superior Mfg Co 13th & Rockland Sts Phila-
delphia 41 Pa
Wood Co John Bennett Pump Div Broadway
& Wood Sts Muskegon Mich "Bennett"

LUBRICATORS, for Autos, Trucks, Trailers and Buses (Central System)

Alemite—See Stewart-Warner Corp
Lincoln Engrg Co 4010 Goodfellow Blvd St
Louis 20 Mo "Multi-Luber" (Automatic)
Multi-Luber—See Lincoln Engrg Co
Stewart-Warner Corp Alemite Div 1826 Di-
versey Parkway Chicago 14 Ill "Alemite"

LUBRICATORS, for Machinery (Central System)

Alemite—See Stewart-Warner Corp Alemite
Div
Bijur Lubricating Corp 151 W Passaic St
Rochelle Park N J
Centro-Matic—See Lincoln Engrg Co
CentrOiler—See Lincoln Engrg Co
CentrOluber—See Lincoln Engrg Co
Farval Corp 3249 E 80th St Cleveland 4 Ohio
Fauver Co J N 49 W Hancock St Detroit 1
Mich "Oil-Air"
Lincoln Engineering Co 4010 Goodfellow
Blvd St Louis 20 Mo "Centro-Matic"
"CentrOiler" "CentrOluber" "Lubriguns"
Lubriguns—See Lincoln Engrg Co
Madison-Kipp Corp 201 Waubesa St Madison
Wis
Oil-Air—See J N Fauver Co
Stewart-Warner Corp Alemite Div 1826
Diversey Parkway Chicago 14 Ill "Alem-
ite"
Trico Fuse Mfg Co 2948 N 5th St Milwaukee
12 Wis

LUBRICATORS, Portable High Pressure (Compressed Air)

Alemite—See Stewart-Warner Corp Alem-
ite Div
Aro Equipment Corp., Bryan, Ohio
Autolube—See Lincoln Engrg Co
Balcrank, Inc., Disney St. nr. Marburg
Cincinnati, Ohio.
Graco—See Gray Co

Gray Co 60 11th Ave N E Minneapolis 13 Minn "Graco"
Grover Mfg Corp 850 E Valley Blvd San Gabriel Calif
Lincoln Engineering Co 4010 Goodfellow Blvd St Louis 20 Mo "Autolube" "Lubriguns" "Powerlubers"
Lubriguns—See Lincoln Engineering Co
Paasche Airbrush Co., 1909 Diversey Parkway, Chicago 14, Ill.
Powerlubers—See Lincoln Engrg. Co.
Stewart-Warner Corp., Alemite Div., 1826 Diversey Parkway, Chicago 14, Ill. "Alemite."

LUBRICATORS, Portable High Pressure (Electric)

Alemite—See Stewart-Warner Corp Alemite Div
Aro Equipment Corp Bryan Ohio
Balcrank Inc Disney St nr Marburg Cincinnati Ohio
Lincoln Engineering Co 4010 Goodfellow Blvd St Louis 20 Mo "Lubriguns"
Lubriguns—See Lincoln Engineering Co
Stewart-Warner Corp Alemite Div 1826 Diversey Parkway Chicago 14 Ill "Alemite"

LUBRICATORS, Portable High Pressure (Hand Operated)

(See also Lubricators, Hand)

Alemite—See Stewart-Warner Corp.
Aro Equipment Corp., Bryan, Ohio.
Balcrank, Inc., Disney St. nr. Marburg, Cincinnati, Ohio.
Gasboy—See Wm M Wilson's Sons Inc
Lincoln Engineering Co 4010 Goodfellow Blvd St Louis 20 Mo "Lincoln Porto-Pak"
Plews Oiler Inc 701 S Seventh St Minneapolis 15 Minn
Stewart-Warner Corp., Alemite Div., 1826 Diversey Parkway, Chicago 14, Ill. "Alemite."
United States Air Compressor Co., 5300 Harvard Ave., Cleveland 5, Ohio.
Universal Lubricating Systems, Inc., 747 Allegheny Ave., Oakmont, Pa.
Wilson's Sons Inc Wm M 8th St & Franconia Ave Lansdale Pa "Gasboy"

LUBRICATORS, Stationary, High Pressure (Compressed Air)

Alemite—See Stewart-Warner Corp., Alemite Div.
Aro Equipment Corp., Bryan, Ohio.
Balcrank, Inc., Disney St. nr. Marburg, Cincinnati, Ohio.
Bijur Lubricating Corp 151 W Passaic St Rochelle Park N J
Graco—See Gray Co
Gray Co 60 11th Ave N E Minneapolis 13 Minn "Graco"
Grover Mfg Corp 850 E Valley Blvd San Gabriel Calif
Stewart-Warner Corp., Alemite Div., 1826 Diversey Parkway, Chicago 14, Ill. "Alemite."

LUGS, Soldering

Cinch Mfg. Corp., 1026 S. Homan St., Chicago 24, Ill.
Hill Nut Co., 2620 W. Flournoy St., Chicago, 12, Ill.
Sherman Mfg. Co., H. B., 22 Barney St., Battle Creek, Mich.
Stronghold Screw Products, Inc., 203 W Hubbard St., Chicago 10, Ill.
Tweco Products Co Boston at Mosely Sts Wichita 1 Kans
Whitaker Cable Corp., 1301 Burlington Ave., North Kansas City 16, Mo.
Zierick Mfg. Corp., Beechwood & Rockdale Aves., New Rochelle, N. Y.

LUGS, Solderless

Burndy Corp Omaton Div Norwalk Conn "Hydent"
ETC—See Electrix Terminals & Connectors Inc
Electrix Terminals & Connectors Inc 990 E 67th St Cleveland 3 Ohio "ETC"
Frankel Connector Co 27 Vestry St N Y 13 N Y
Hydent—See Burndy Corp Omaton Div
Kliegl Bros. Universal Electric Stage Lighting Co., 321 W. 50th St., New York, N. Y.
Lynn—See Vaco Products Co
Sherman Mfg. Co., H. B., 22 Barney St., Battle Creek, Mich.
Tweco Products Co Boston at Mosley Sts Wichita 1 Kans
Vaco Products Co 317 E Ontario St Chicago 11 Ill "Lynn"
Whitaker Cable Corp., 1301 Burlington Ave., North Kansas City 16, Mo.

MACHINE TOOL FEEDERS—See Feeds, Machine Tool

MACHINE WORK TO ORDER

(See also Contract Work)

Alten Foundry & Machine Works Inc 226 W Wheeling St Lancaster Ohio
Chicago Screw Co Div of Standard Screw Co 2701 Washington Blvd Bellwood Ill
Dodge Steel Co 6501 State Rd Philadelphia 35 Pa
Govro-Nelson Co 1931 Antoinette St Detroit 8 Mich
Hartford Machine Screw Co P O Box 1440 Hartford 2 Conn
Lycoming Div Avco Mfg Corp 550 S Main St Stratford Conn
Ohio Piston & Machining Co 5340 Hamilton Ave Cleveland 14 Ohio
Perfection Gear Co., 152nd St. & Vincennes Ave., Harvey, Ill.
Pittsburgh Brass Mfg Co 3155 Penn Ave Pittsburgh 1 Pa
Western Automatic Machine Screw Co 377 Woodland Ave Elyria Ohio

MACHINERY SPACERS—See Spacers, Machinery

MACHINES, Automatic Assembly

Barth Corp 12650 Brookpark Rd Cleveland 30 Ohio
Bodine Corp 317 Mt Grove St Bridgeport 5 Conn
Buhr Machine Tool Co 839 Green St Ann Arbor Mich
CP—See Chicago Pneumatic Tool Co
Century-Detroit Corp 7701 Lyndon Ave Detroit 38 Mich
Chicago Pneumatic Tool Co 6 E 44th St N Y 17 N Y "CP" "Magnamatic"
Cleco Div of Reed Roller Bit Co 5125 Clinton Dr Houston 1 Tex
Cross Co 17801 E 14 Mile Rd Fraser Mich "Transfer-matic"
Detroit Power Screwdriver Co Dept 59-AIPG 2801 W Fort St Detroit 16 Mich (For nuts screws studs washers etc; also selective parts; and standard and special)
Ferguson Machine Corp of Indiana 7818 Maplewood Industrial Ct St Louis 17 Mo "Pressembler"
Ingersoll-Rand Co 11 Broadway N Y 4 N Y (Nuts and screws)
Kent-Owens Machine 958 Wall St Toledo 10 Ohio
Magnamatic—See Chicago Pneumatic Tool Co
Pressembler—See Ferguson Machine Corp of Indiana
Rehnberg-Jacobson Mfg Co 2135 Kishwaukee St Rockford Ill (Bearings)
Robbins Co Omer E 11961 Dixie Ave Detroit 39 Mich (Bearings)
Snyder Corp 3400 E Lafayette Ave Detroit 7 Mich
Sperry Products Inc Danbury Conn "Sperry Multra"
Transfer-matic—See Cross Co

MACHINES, Automatic Transfer (Production Work)

Avey Drilling Machine Div of Motch & Merryweather Mchry Co 25 E Third St Covington Ky
Baker Bros Inc P O Box 101 Sta F Toledo 10 Ohio
Barnes Co W F & John 301 S Water St Rockford Ill
Barnes Drill Co 826 Chestnut St Rockford Ill "Barnesdrill"
Baush Machine Tool Co 156 Wason Ave Springfield 7 Mass
Bore-Matic—See Heald Machine Co
Buhr Machine Tool Co 839 Green St Ann Arbor Mich
Cincinnati Milling Machine Co 4701 Marburg Ave Cincinnati 9 Ohio (Milling)
Clearing Machine Corp 6499 W 65th St Chicago 38 Ill
Colonial Broach & Machine Co P O Box 37 Harper Sta Detroit 13 Mich
Cross Co 17801 E 14 Mile Rd Fraser Mich "Transfer-matic"
Ex-Cell-O Corp 1200 Oakman Blvd Detroit 32 Mich "XLO"
Ferguson Machine Corp of Indiana 7818 Maplewood Industrial Ct St Louis 17 Mo "Ferguson Trans-O-Mator"
Fitchburg Engrg Corp Cleghorn St Fitchburg Mass
Foote-Burt Co 13000 St Clair Ave Cleveland 8 Ohio "Footburt"
Greenlee Bros. & Co 1702 Mason Ave Rockford Ill
Heald Machine Co 10 New Bond St Worcester 6 Mass "Bore-Matic"
Hole Hog—See Moline Tool Co
Impco—See Industrial Metal Products Corp
Industrial Metal Products Corp 3417 W St Joseph St Lansing 1 Mich "Impco"
Kearney & Trecker Corp 6800 W National Ave Milwaukee 14 Wis
Kent-Owens Machine Co 958 Wall St Toledo 10 Ohio
La Salle Machine Tool Inc 3840 E Outer Dr Detroit 34 Mich
LeMaire Machine Tool Co 2657 S Telegraph Rd Dearborn Mich
Michigan Special Machine Co 11449 Timken Ave Warren Mich
Moline Tool Co 102 20th St Moline Ill "Hole Hog"
Motch & Merryweather Machinery Co 1250 E 222nd St Cleveland 7 Ohio
Natco—See National Automatic Tool Co
National Automatic Tool Co S 7th & N 8ts Richmond Ind "Natco"
Seneca Falls Machine Co 314 Fall St Seneca Falls N Y
Snyder Corp 3400 E Lafayette Ave Detroit 7 Mich
Sundstrand Machine Tool Div of Sundstrand Corp Belvidere Ill
Swift Ohio Corp 17325 Lamont St Detroit 12 Mich
Transfer-matic—See Cross Co
Transmat—See Verson Allsteel Press Co
Verson Allsteel Press Co 93rd St & Kenwood Ave Chicago 19 Ill "Transmat"
XLO—See Ex-Cell-O Corp

MACHINES, Balancing (Industrial)

(For balancing ways—see Ways, Balancing)

Bear Mfg. Co., 21st St. & Fifth Ave., Rock Island, Ill. (Static and dynamic.)
Electrodyne—See Tinius Olsen Testing Machine Co
G-E—See General Electric Co
General Electric Co Apparatus Sales Div 1 River Rd Schenectady 5 N Y "G-E"
Gisholt Machine Co., 1307 E. Washington Ave Madison 10 Wis (Static or dynamic)
Hi-Eff—See Taylor Dynamometer & Machine Co
Lempco Products Inc 5490 Dunham Rd Bedford Ohio (Dynamic for crankshaft and driveshaft)
Micro-Poise Engr & Sales Co 14851 Grand River Ave Detroit 27 Mich
Morris Machine Tool Co 933 Harriet St Cincinnati 3 Ohio (Automatic piston)
Olsen Testing Machine Co Tinius 2090 Easton Rd Willow Grove Pa "Electrodyne"
RCA-Arlin—See Radio Corp of America
Radio Corp of America Detroit Industrial Products 13541 Auburn Ave Detroit 23 Mich "RCA-Arlin" (Crank pins piston pins etc)
Snyder Corp 3400 E Lafayette Ave Detroit 7 Mich (Connecting rod)
Sundstrand American Broach Div of Sundstrand Corp 415 W Huron St Ann Arbor Mich
Taylor Dynamometer & Machine Co 6411 River Parkway Milwaukee 13 Wis "Hi-Eff"
Toledo Scale Div of Toledo Scale Co Telegraph Rd Toledo 12 Ohio

MACHINES, Balancing (Wheel)

Alemite—See Stewart-Warner Corp
Balance Master—See Manbee Equip Div Bear Mfg Co
Bean Div Food Machinery & Chemical Corp John 1305 S Cedar St Lansing 4 Mich "John Bean," "Visubalancer" (Dynamic)
Bear Mfg. Co., 21st St. & Fifth Ave., Rock Island Ill
Bee-Line Co., Box 569, Davenport, Iowa
Bender Equipment Co J H 5430 Tweedy Blvd South Gates Calif
Bennett-Feragen 1408 Jerome St Niles Mich
Big Four Industries Inc Maineville (Foster) Ohio
Hemmeter Corp 57 Evelyn Ave Mountain View Calif "Hemmeter Dial-O-Matic"
Hunter Engrg Co Hunter Ave & Ladue Rd St Louis 24 Mo "Tune-In"
John Bean—See John Bean Div Food Machinery & Chemical Corp
Manbee Equip Div Bear Mfg Co P O Box 607 Rock Island Ill "Balance Master" & "Port-O-Balance Master"
Micro-Poise Engrg & Sales Co 14851 Grand River Ave Detroit 27 Mich
Morgan Wheel & Equipment Co 2007 St Mary's Ave Omaha 2 Neb "Moweco"
Moweco—See Morgan Wheel & Equipment Co
Port-O-Balance Master—See Manbee Equip Div Bear Mfg Co
Schildmeier Co., H. C., 312 N. Senate Ave. Indianapolis 4, Ind. "Seal Line."
Seal Line—See H. C. Schildmeier Co
Speedmaster Ltd 3814 Piedmont Ave Oakland 11 Calif
Stewart-Warner Corp Alemite Div 1826 Diversey Parkway Chicago Ill "Alemite" (Electronic)
Tune-In—See Hunter Engrg Co
Visubalancer—See John Bean Div Food Mchy & Chemical Corp
Weaver Mfg Co 2178 S Ninth St Springfield Ill (Dynamic)

MACHINES, Bar (Automatic)

Acme-Gridley—See National Acme Co
Baker Bros Inc P O Box 101 Sta F Toledo 10 Ohio
Cleveland Automatic Machine Co 4932 Beech St Norwood Cincinnati 12 Ohio (Single spindle)
Cone Automatic Machine Co Windsor Vt
Greenlee Bros & Co 1702 Mason Ave Rockford Ill
Motch & Merryweather Machinery Co 1250 E 222nd St Cleveland 7 Ohio
National Acme Co 170 E 131st St Cleveland 8 Ohio "Acme-Gridley"
New Britain Machine Co New Britain-Gridley Machine Div South St New Britain Conn (Single spindle)
Warner & Swasey Co 5701 Carnegie Ave Cleveland 3, Ohio.

MACHINES, Bender-Cutter (Compressed Air, Hydraulic or Hand)

Richards Co J A 903 Pitcher St Kalamazoo Mich "MultiForm"

MACHINES, Bending

Excelsior Tool & Machine Co 31st St & Ridge Ave East St Louis Ill
Pines Engrg Co 601 Walnut St Aurora Ill
Taylor-Winfield Corp 1052 Mahoning Ave NW Warren Ohio
Tishken Products Co 13000 W Eight Mile Rd Detroit 37 Mich

MACHINES, Bonding (Adhesive)

Modern Industrial Engrg Co 14230 Birwood Ave Detroit 38 Mich

MACHINES, Boring (Cylinder)

Ex-Cell-O Corp 1200 Oakman Blvd Detroit 32 Mich "XLO"
Moline Tool Co 102 20th St Moline Ill
Rivett Inc Dept A1-5 Brighton 35 Boston Mass
Sundstrand Machine Tool Div of Sundstrand Corp Belvidere Ill

MACHINES, Boring, Drilling and Milling (Horizontal)

Buhr Machine Tool Co 839 Greene St Ann Arbor Mich
Bullard Co 286 Canfield Ave Bridgeport 9 Conn
Consolidated Machine Tool Div Farrel-Birmingham Co 565 Blossom Rd Rochester 10 N Y "Sellers"
Davis & Thompson Co 4460 N 124th St Milwaukee 18 Wis "Roto-Matic"
Defiance—See Kempsmith Machine Co
Giddings & Lewis Machine Tool Co Fond du Lac Div Fond du Lac Wis
Gray Co G A 2611 Woodburn Ave Cincinnati Ohio (Floor and planer type)
Index Machine & Tool Co 543 N Mechanic St Jackson Mich
Ingersoll Milling Machine Co Rockford Ill
Kearney & Trecker Corp 6800 W National Ave Milwaukee 14 Wis
Kempsmith Machine Co 1819 S 71 St West Allis 14 Wis "Defiance"
Lucas Machine Div New Britain Machine Co 12302 Kirby Ave Cleveland 8 Ohio
Michigan Special Machine Co 11449 Timken Ave Warren Mich
Morris Machine Tool Co 933 Harriet St Cincinnati 3 Ohio
Morton Mfg Co Broadway & Hoyt St Muskegon Heights Mich
New Britain Machine Co New Britain-Gridley Machine Div South St New Britain Conn
Portage Machine Co 1025 Sweitzer Ave Akron 11 Ohio
Roto-Matic—See Davis & Thompson Co
Sellers—See Consolidated Machine Tool Div
Snyder Corp 3400 E Lafayette Ave Detroit 7 Mich
Swift Ohio Corp 17325 Lamont St Detroit 12 Mich

MACHINES, Boring, Drilling and Tapping

Barnes Co W F & John 301 S Water St Rockford Ill
Buhr Machine Tool Co 839 Greene St Ann Arbor Mich (Horizontal & vertical)
Bullard Co 286 Canfield Ave Bridgeport 2 Conn (Vertical)
Burg Tool Mfg Co 15001 S Figueroa St Los Angeles Calif "Burgmaster" (Horizontal)
Cross Co 17801 E 14 Mile Rd Fraser Mich
Davis & Thompson Co 4460 N 124th St Milwaukee 10 Wis
Foote-Burt Co 13000 St Clair Ave Cleveland 8 Ohio
Giddings & Lewis Machine Tool Co Kaukauna Div Kaukauna Wis
Greenlee Bros & Co 1702 Mason Ave Rockford Ill
Hole Hog—See Moline Tool Co
Kearney & Trecker Corp 6800 W National Ave Milwaukee 14 Wis
Moline Tool Co 102 20th St Moline Ill "Hole Hog"
Morris Machine Tool Co 933 Harriet St Cincinnati 3 Ohio
Morton Mfg Co Broadway & Hoyt St Muskegon Heights Mich
Natco—See National Automatic Tool Co
National Automatic Tool Co S Seventh & N Sts Richmond Ind "Natco"
Snyder Corp 3400 E Lafayette Ave Detroit 7 Mich
Sundstrand Machine Tool Div of Sundstrand Corp Belvidere Ill

MACHINES, Boring and Facing

Barnes Co W F & John 301 S Water St Rockford Ill
Betts—See Consolidated Machine Tool Div
Consolidated Machine Tool Div Farrel-Birmingham Co 566 Blossom Rd Rochester 10 N Y "Betts"
Ex-Cell-O Corp 1200 Oakman Blvd Detroit 32 Mich "XLO"
Fitchburg Engineering Corp Cleghorn St Fitchburg Mass
Hole Hog—See Moline Tool Co
Millholland Machinery Co W K 6402 Westfield Blvd Indianapolis 20 Ind
Moline Tool Co 102 20th St Moline Ill "Hole Hog"
Seneca Falls Machine Co 314 Fall St Seneca Falls N Y
Simmons Machine Tool Corp N Broadway Albany 1 N Y (Horizontal)
Snyder Corp 3400 E Lafayette Ave Detroit 7 Mich
XLO—See Ex-Cell-O Corp

MACHINES, Boring (Horizontal)

Baker Bros Inc P O Box 101 Sta F Toledo 10 Ohio
Barnes Co., W. F & John, 301 S. Water St Rockford, Ill.
Barnes Drill Co., 826 Chestnut St., Rockford Ill. "Barnesdrill"
Betts—See Consolidated Machine Tool Div
Bullard Co 286 Canfield Ave Bridgeport 9 Conn
Consolidated Machine Tool Div Farrel-Birmingham Co 565 Blossom Rd Rochester 10 N Y "Betts" "Newton"
Davis & Thompson Co 4460 N 124th St Milwaukee 18 Wis "Roto-Matic"
Ex-Cell-O Corp 1200 Oakman Blvd Detroit 32 Mich "XLO"
Fitchburg Engineering Corp Cleghorn St Fitchburg Mass
Foote-Burt Co 13000 St Clair Ave Cleveland 8 Ohio
Greenlee Bros & Co 1702 Mason Ave Rockford Ill
Heald Machine Co 10 New Bond St Worcester 6 Mass
Hole Hog—See Moline Tool Co
Le Blond Machine Tool Co R K Madison & Edwards Rds Cincinnati 8 Ohio "Le Blond-Carlstedt"
Lucas Machine Div New Britain Machine **Co 12302 Kirby Ave Cleveland 8 Ohio**
Moline Tool Co 102 20th St Moline Ill "Hole Hog"
Morton Mfg. Co., Broadway & Hoyt St., Muskegon Heights, Mich.
National Automatic Tool Co., S. Seventh & N Sts., Richmond, Ind.
Newton—See Consolidated Machine Tool Div
Olofsson Corp 2727 Lyons Ave Lansing 2 Mich
RotoMatic—See Davis & Thompson Co
Simplex Machine Tool Corp 4548 W Mitchell St Milwaukee 46 Wis
Snyder Corp 3400 E Lafayette Ave Detroit 7 Mich
XLO—See Ex-Cell-O Corp

MACHINES, Boring (Main Bearing and Connecting Rod)

Cedar Rapids Engineering Co 902 17th NE St Cedar Rapids Iowa "Kwik-Way" (Main bearing)
Ex-Cell-O Corp 1200 Oakman Blvd Detroit 32 Mich "XLO"
Kwik-Way—See Cedar Rapids Engineering Co.
Lempco Products, Inc., 5490 Dunham Rd., Bedford, Ohio. (Main and camshaft bearing.)
Storm-Vulcan Inc 2225 Burbank St Dallas 19 Tex
Sunnen Products Co., 7910 Manchester Ave., St. Louis 17, Mo.
Tobin-Arp Mfg Co 6400 Penn Ave S Minneapolis 23 Minn
Winona Tool Mfg. Co., 1430 W. Broadway, Winona, Minn. "Wi-To-Co."
Wi-To-Co—See Winona Tool Mfg. Co.
XLO—See Ex-Cell-O Corp

MACHINES, Boring and Milling

Clearing Div of U S Industries Inc 6499 W 65th St Chicago 38 Ill
De Vlieg Machine Co 450 Fall Ave Ferndale Detroit 20 Mich "Spiramatic Jigmil" (Horizontal)
ECCO—See Ekstrom Carlson & Co
Ekstrom Carlson & Co 1400 Railroad Ave Rockford Ill "ECCO" (Boring and profiling
Fitchburg Engineering Corp Cleghorn St Fitchburg Mass
Kearney & Trecker Corp 6800 W National Ave Milwaukee 14 Wis
Knight Machinery Co W B 3920 W Pine St St Louis 8 Mo
Snyder Corp 3400 E Lafayette Ave Detroit 7 Mich
Spiramatic Jigmil—See De Vlieg Machine Co
Wean Equipment Corp 22828 Lakeland Blvd Euclid Cleveland 17 Ohio

MACHINES, Boring (Piston Pin Bushing)

Cedar Rapids Engrg Co 902 17th St NE **Cedar Rapids Ia "Kwik-Way"**
Ex-Cell-O Corp 1200 Oakman Blvd Detroit 32 Mich "XLO"
Kwik-Way—See Cedar Rapids Engrg Co
Tobin-Arp Mfg Co 6400 Penn Ave S Minneapolis 23 Minn
XLO—See Ex-Cell-O Corp

MACHINES, Boring and Turning

Atlas Press Co 1842 N Pitcher St Kalamazoo Mich "Clausing"
Axelson Mfg Co P O Box 58335 Vernon Sta Los Angeles 58 Calif
Betts—See Consolidated Machine Tool Div
Bullard Co 286 Canfield Ave Bridgeport 9 Conn (Vertical)
Clausing—See Atlas Press Co
Consolidated Machine Tool Div Farrel-Birmingham Co 565 Blossom Rd Rochester 10 N Y "Betts" & "Newton"
Ex-Cell-O Corp 1200 Oakman Blvd Detroit 32 Mich "XLO"
Frauenthal Div Kaydon Engrg Corp Muskegon Mich (Vertical)
Giddings & Lewis Machine Tool Co Fond du Lac Div Fond du Lac Wis
Hoern & Dilts—See New Britain Machine Co Hoern & Dilts Div
King Machine Tool Div American Steel Foundries 1150 Tennessee Ave Cincinnati 29 Ohio "King" (Vertical)
Motch & Merryweather Mchy Co 1250 E 222nd St Cleveland 7 Ohio (Vertical)
New Britain Machine Co Hoern & Dilts Div 925 Rust St Saginaw Mich "Hoern & Dilts" (Precision contour)
New Britain Machine Co New Britain-Gridley Machine Div South St New Britain Conn (Precision)
Newton—See Consolidated Machine Tool Div
Sundstrand Machine Tool Div of Sundstrand Corp Belvidere Ill
XLO—See Ex-Cell-O Corp

MACHINES, Boring, Turning and Facing (Horizontal)

Bore-Matic—See Heald Machine Co.
Cross Co 17801 E 14 Mile Rd Fraser Mich
Ex-Cello Corp 1200 Oakman Blvd Detroit 32 Mich "XLO"
Heald Machine Co 10 New Bond St Worcester 6 Mass "Bore-Matic"
J & L—See Jones & Lamson Machine Co
Jones & Lamson Machine Co 523 Clinton St Springfield Vt "J&L"
Monarch Machine Tool Co 402 Oak St Sidney Ohio (Contour)
Natco—See National Automatic Tool Co
National Automatic Tool Co S 7th & N Sts Richmond Ind "Natco"
Olofson Corp 2730 Lyon Ave Lansing Mich
Sundstrand Machine Tool Div of Sundstrand Corp Belvidere Ill

MACHINES, Boring (Vertical)

Baker Bros Inc P O Box 101 Sta F Toledo 10 Ohio
Barnes Co W F & John 301 S Water St Rockford Ill
Barnes W F & John 301 S Water St Rockford Ill

Betts—See Consolidated Machine Tool Div
Bullard Co 286 Canfield Ave Bridgeport 9 Conn
Colburn—See Consolidated Machine Tool Div
Colladay Machine Works, 125 E. Luray St., Philadelphia 20, Pa.
Consolidated Machine Tool Div Farrel-Birmingham Co 565 Blossom Rd Rochester 10 N Y "Betts" "Colburn" "Sellers"
Ex-Cell-O Corp 1200 Oakman Blvd Detroit 32 Mich "XLO"
Footburt—See Foote-Burt Co
Foote-Burt Co., 13000 St. Clair Ave., Cleveland, Ohio. "Footburt."
Gaynes Engrg Co 1642 W Fulton St Chicago 12 Ill (Multiple spindle)
Hole Hog—See Moline Tool Co
Moline Tool Co 102 20th St Moline Ill "Hole Hog"
National Acme Co., 170 E. 131st St., Cleveland 8, Ohio.
National Automatic Tool Co S Seventh & N Sts Richmond Ind
New Britain Machine Co New Britain-Gridley Machine Div South St New Britain Conn
Pratt & Whitney Co Charter Oak Blvd West Hartford 7 Conn
Rogers Machine Works Inc 61 N Main St Alfred N Y
Sellers—See Consolidated Machine Tool Div
Snyder Corp 3400 E Lafayette Ave Detroit 7 Mich
XLO—See Ex-Cell-O Corp

MACHINES, BROACH GRINDING—See Machines, Grinding (Broach)

MACHINES, Broaching

American—See Sundstrand American Broach Div
C P—See Chicago Pneumatic Tool Co
Chicago Pneumatic Tool Co 6 E 44th St New York 17 N Y "CP" (Portable)
Cincinnati Milling Machine Co Special Machine Div 4701 Marburg Ave Cincinnati 9 Ohio "Hydro-Broach"
Colonial Broach & Machine Co P O Box 37 Harper Sta Detroit 13 Mich
Detroit Broach & Machine Co 950 S Rochester Rd Rochester Mich
Elstrom, Carlson & Co., 1439 Railroad Ave., Rockford, Ill.
Flexible Power—See General Mfg Co
Foote-Burt Co., 13000 St. Clair Ave., Cleveland, Ohio.
General Mfg. Co., 6432 Farnsworth Ave., Detroit 11, Mich. "Flexible Power."
Hydro-Broach—See Cincinnati Milling Machine Co.
Lapointe Machine Tool Co., 34 Tower St., Hudson, Mass. "Lapointe Hudson."
Pioneer Broach Co 6434 E Telegraph Rd Los Angeles 22 Calif
Sundstrand American Broach Div of Sundstrand Corp 415 W Huron St Ann Arbor Mich "American"
Sundstrand Machine Tool Div of Sundstrand Corp Belvidere Ill
Zagar Tool Inc 24000 Lakeland Blvd Cleveland 23 Ohio

MACHINES, Brushing

Osborn Mfg Co 5401 Hamilton Ave NE Cleveland 14 Ohio

MACHINES, Buffing and Polishing

(See also Machines, Flexible Shaft [Portable Electric])

Acme Mfg Co 1400 E Nine Mile Rd Ferndale Detroit 20 Mich
Automatic Buffing Machine Co., 222 Chicago St., Buffalo 4, N. Y.
Baldor Electric Co 4351 Duncan Ave St Louis 10 Mo
Bradford Machine Tool Co 722 Porter St **Lansing 5 Mich "Metalmaster"**
CP—See Chicago Pneumatic Tool Co
Champion Blower & Forge Co., Harrisburg Ave. & Charlotte St., Lancaster, Pa.
Chicago Pneumatic Tool Co 6 E 44th St N Y 17 N Y "CP" "Hicycle" "Super Cycle" "Universal"
Cincinnati Electrical Tool Co 300 Mt Hope Ave Cincinnati 4 Ohio
Delta-Rockwell—See Rockwell Mfg Co
Divine Bros. Co., 200 Seward Ave., Utica 1, N. Y.
Dixon Inc William 32 E Kinney St Newark 1 N J
Excelsior Tool & Machine Co 31st St & Ridge Ave East St Louis Ill
Frauenthal Div Kaydon Engrg Corp Muskegon Mich
Grav-i-Flo Corp 400 Norwood Ave Sturgis Mich "Spin-Finish"
Hammond Machinery Builders Inc 1621 Douglas Ave Kalamazoo 54 Mich
Hanson-Van Winkle-Munning Co Matawan N J "H-VW-M"
Hicycle—See Chicago Pneumatic Tool Co
Hisey-Wolf Machine Co Galvin & Mt Hope Aves., Cincinnati 4, Ohio.
L & R Mfg Co 577 Elm St Kearny N J
Metalmaster—See Bradford Machine Tool Co
Micro-Polish—See Murray-Way Corp
Murray-Way Corp P O Box 180 Maple Rd E Birmingham Mich "Micro-Polish"
Packer Machine Co., 456 Center St., Meriden, Conn. "Packermatic."
Porter-McLeod Machine Tool Co Prospect St Hatfield Mass
Reco—See Reynolds Electric Co.
Reynolds Electric Co., 3000 River Rd., River Grove, Ill. "Reco."
Rockwell Mfg Co Delta Power Tool Div 400 N Lexington and Pittsburgh 8 Pa "Delta-Rockwell"
Schauer Mfg Corp 4500 Alpine Ave Rossmoyne Ohio
Spin-Finish—See Grav-i-Flo Corp
Standard Electrical Tool Co Mt Hope & River Rd Cincinnati 4 Ohio
Stevens, Inc., Frederic B., 1800 18th St., Detroit 16, Mich.
Super Cycle—See Chicago Pneumatic Tool Co
Thor Power Tool Co 175 State St Aurora Ill
United States Electrical Tool Co 3620 Llewelyn St Cincinnati 23 Ohio
Universal—See Chicago Pneumatic Tool Co
Valley Electric Corp., 4221 Forest Park Blvd., St. Louis, Mo.
Walker-Turner Div Rockwell Mfg Co 400 N Lexington Ave Pittsburgh 8 Pa

MACHINES, Centering

Central Engrg Co 930 Erie St Racine Wis
Espen-Lucas Machine Works, Front St. & Girard Ave., Philadelphia, Pa.
Ex-Cello Corp 1200 Oakman Blvd Detroit 32 Mich "XLO"
HW—See Hanson-Whitney Co
Hanson-Whitney Co 169 Bartholomew Ave Hartford 2 Conn "HW"
Hause Machine Inc 809 S Pleasant St Montpelier Ohio
Seneca Falls Machine Co 314 Fall St Seneca Falls N Y
Sundstrand Machine Tool Div of Sunstrand Corp Belvidere Ill
XLO—See Ex-Cell-O Corp

MACHINES, CENTERING and DRILLING—See Machines, Drilling and Centering

MACHINES, Chilling (Industrial)

Cincinnati Sub Zero Products 3932 Reading Rd Cincinnati 29 Ohio "Sub-Zero"
Sub-Zero—See Cincinnati Sub-Zero Products
Tenney Engrg Inc 1090 Springfield Rd Union N J
Webber Engrg Corp P O Box 217 Indianapolis 6 Ind

MACHINES, Chucking (Multiple Spindle)

Acme-Gridley—See National Acme Co.
Baird Machine Co., 1700 Stratford Ave., Stratford, Conn.
Bullard Co 286 Canfield Ave Bridgeport 9 Conn "Contin-U-Matic" "Mult-Au-Matic"
Cone Automatic Machine Co. Windsor, Vt
Contin-U-Matic—See Bullard Co.
Mult-Au-Matic—See Bullard Co.
National Acme Co 170 E 131st St Cleveland 8 Ohio "Acme-Gridley" (Automatic)
New Britain Machine Co., New Britain-Gridley Machine Div., South St., New Britain, Conn. (Automatic.)
Warner & Swasey Co 5701 Carnegie Ave Cleveland 3 Ohio (Automatic)

MACHINES, Chucking (Single Spindle)

National Acme Co 170 E 131 St Cleveland 8 Ohio "Chuck-Matic" (Automatic)
Potter & Johnson Co 1027 Newport Ave Pawtucket R I
Warner & Swasey Co 5701 Carnegie Ave Cleveland 3 Ohio (Automatic)

MACHINES, Coating

DeVilbiss Co 300 Phillips Ave Toledo 1 Ohio (Flow and dip)
Mahon Co R C 6565 E Eight Mile Rd Detroit 34 Mich
Murray-Way Corp Maple Ave E Birmingham Mich (Roller)

MACHINES, Coiling (Spring)

C & M—See Coulter & McKenzie Machine Co
Coulter & McKenzie Machine Co 35 Union Ave Bridgeport Conn "C & M"
Sleeper & Hartley Inc 335 Chandler St Worcester 2 Mass
Torrington Mfg. Co., Torrington, Conn.

MACHINES, Contour Forming

Bath Co Cyril 34200 Aurora Rd Solon Ohio

MACHINES, Crimping (For Solderless Connections)

AMP Inc Eisenhower Blvd Harrisburg Pa

MACHINES, Cutting-Off

Allison-Campbell Div of American Chain & Cable Co 929 Connecticut Ave Bridgeport 2 Conn "Campbell"
Bardons & Oliver Inc 1133 W Ninth St Cleveland 13 Ohio (Automatic and semi-automatic)
Bar-matic—See Producto Machine Co.
Bridgeport Abrasaw—See United Engrg & Fdry Co
Campbell — See Allison-Campbell Div of American Chain & Cable Co
Cincinnati Electrical Tool Co 300 Mt Hope Ave Cincinnati 4 Ohio
Cone Automatic Machine Co Windsor Vt
Consolidated Machine Tool Div Farrel-Birmingham Co 565 Blossom Rd Rochester 10 N Y "Newton"
Continental Machine Co 2345 W Nelson St Chicago 18 Ill
Delta-Rockwell—See Rockwell Mfg Co
de Sanno & Son A P Wheatland St Phoenixville Pa "Radiac"
De Walt Inc Fountain Ave Lancaster Pa
Di-Acro—See O'Neil-Irwin Mfg Co
Do All Co., 254 N. Laurel Ave., Des Plaines, Ill.
Espen-Lucas Machine Works, Front St. & Girard Ave., Philadelphia 23, Pa.
Grob Inc Grafton Wis
Heinrich Tools Inc 2707 Industrial Drive Racine Wis "Heinrich Handnib"
Kane & Roach Inc Niagara & Shonnard Sts Syracuse 4 N Y
McKay Machine Co 825 W Federal St Youngstown Ohio
Modern Machine Tool Co 2005 Losey Ave Jackson Mich
Multiform—See J. A. Richards Co.
Newton—See Consolidated Machine Tool Div
O'Neil-Irwin Mfg. Co., Lake City, Minn. "Di-Acro."
Porter-McLeod Machine Tool Co., Prospect St., Hatfield, Mass.
Producto Machine Co., 990 Housatonic Ave., Bridgeport 1, Conn. "Bar-matic."
Racine Hydraulics & Machinery Inc 2000 Albert St Racine Wis
Radiac—See A. P. de Sanno & Son.
Richards Co J A 903 N Pitcher St Kalamazoo Mich "Multiform"
Rockwell Mfg Co Delta Power Tool Div 400 N Lexington and Pittsburgh 8 Pa "Delta-Rockwell"
Seneca Falls Machine Co 314 Fall St Seneca Falls N Y
Sheffield Corp 721 Springfield St Dayton 1 Ohio
Tabor Mfg Co Div of Turbo Machine Co 840 W Main St Lansdale Pa "Tabor Abrasive" (Abrasive wheel)
Tannewitz Works 315 Front Ave N W Grand Rapids 2 Mich (Abrasive)
Tishken Products Co 13000 W Eight Mile Rd Detroit 37 Mich (Automatic)
Ty-Sa-Man Mchry Co 1006 White Ave Knoxville 1 Tenn
United Engrg & Fdry Co Wilmington Plant P O Box 1108 Wilmington 99 Del "Bridgeport Abrasaw" (Abrasives)
Walker-Turner Div Rockwell Mfg Co 400 N Lexington Ave Pittsburgh 8 Pa
Yoder Co 5553 Walworth Ave., Cleveland 2, Ohio.

MACHINES, DE-BURRING — See Machines, Mechanical Finishing and De-burring

MACHINES, Degreasing and Washing (Metal Parts)

A-F—See Alvey Ferguson Co
Acoustica Associates Inc Shore Rd Glenwood Landing L I N Y (Ultrasonic)
Aeroil Products Co 69 Wesley St South Hackensack N J
Air-Matic—See Protectoseal Co.
Air-Push Spragit—See Sprague Devices Inc
Alcar Instruments Inc 17 Industrial Ave Little Ferry N J (Ultrasonic)

MACHINES, Degreasing and Washing (Metal Parts)—continued

Alvey-Ferguson Co 2121 Disney St Oakley Cincinnati 9 Ohio "A-F"
Barrett Co., Leon J., 1477 Grafton St., Worcester, Mass. "Typhoon." (Centrifugal.)
Barrett Equipment Co 2101 Cass Ave St Louis 6 Mo
Blakeslee & Co G S 1844 S Laramie Ave Cicero 50 Ill "Niagara" "Blakeslee"
Branson Ultrasonic Corp 37 Brown House Rd Stamford Conn "Sonogen" (Ultrasonic generators)
Cincinnati Cleaning & Finishing Machinery Co 317 Hecla St Ironton Ohio
Clark Equipment Co 120 Central Ave Clark N J
Cooper Co., D. C., 1467 S. Michigan Ave. Chicago 5, Ill.
Curtiss-Wright Corp Princeton Div PO Box 110 Princeton N J (Ultrasonic)
Detrex Chemical Industries Inc Box 501 Detroit 32 Mich (Also ultrasonic)
DeVilbiss Co 300 Phillips Ave Toledo 1 Ohio
De Vilbiss Metal Fabricators Co 17900 Ryan Rd Detroit 12 Mich (Combined belt conveyorized washer and dryer)
Drying Systems Co 1810½ Foster Ave Chicago 40 Ill "Dry-Sys"
Dry-Sys—See Drying Systems Co
Eclipse Fuel Engineering Co 1111 Buchanan St Rockford Ill
Graymills Corp 3705 N Lincoln Ave Chicago 13 Ill
Industrial Washing Machine Corp 32 Main St Matawan N J (Combined belt conveyorizer washer and dryer)
International Conveyor & Washer Corp., 652 E. Fort St., Detroit 26, Mich.
J P Mfg Co 330 E Front St Youngstown 3 Ohio
Kelite Corp 1250 N Main St Los Angeles Calif
Kleer-Flo—See Practical Products Co
L & R Mfg Co 577 Elm St Kearny N J
Lorco—See Lord Chemical Co
Lord Chemical Co 2068 S Queen St York Pa "Lorco" (Barrels)
Magnus Chemical Co 185 South Ave Garwood N J "Magnus Aja-Dip" "Magnus Mill-Dip" "Magnus Aja-Lif" "Magnus Mill-Lif"
Mahon Co R C 6565 E 8 Mile Rd Detroit 34 Mich (Combined belt conveyorized washer and dryer)
Manpro Corp 1360 Hilton Rd Ferndale 20 Mich
Metalwash Machinery Corp 901 North Ave Elizabeth 4 N J
Narda Ultrasonics Corp 625 Main St Westbury L I N Y "SonBlaster" (Ultrasonic)
Pennsalt Chemicals Corp 3 Penn Center Philadelphia 2 Pa
Phillips Mfg Co 3475 Touhy Ave Chicago 45 Ill "Phillips Torrent"; "Phillips Vibra-Sone" (Ultrasonic)
Pioneer-Central Div Eclipse-Pioneer Div Bendix Aviation Corp 2754 Hickory Grove Ave Davenport Iowa (Ultrasonic)
Practical Mfg Co 2840 Fourth Ave S Minneapolis 8 Minn "Kleer-Flo"
Protectoseal Co., 1920 E. Western Ave., Chicago 8, Ill. "Air-Matic."
Ransohoff Inc N 5th St at Ford Blvd Hamilton Ohio
Schmieg Industries Inc 29330 Sherwood St Detroit 34 Mich
Simplicity Engrg Co Durand 1 Mich "Simplicity Vibra-Washer"
SonBlaster—See Narda Ultrasonics Corp
Sonogen—See Branson Ultrasonic Corp
Sprague Devices Inc 500 Huron St Michigan City Ind "Air Push Spragit" (Air operated)
Stevens Inc Frederic B 1800 18th St Detroit 16 Mich
Storm-Vulcan Inc 2235 Burbank St Dallas 19 Tex
Turco Products Inc 24600 S Main St North Wilmington Calif
Typhoon—See Leon J Barrett Co
Waukee Engrg Co 5128 N 35th St Milwaukee 9 Wis
Wilson Inc K R Arcade N Y
Winona Tool Mfg. Co., 1430 W. Broadway, Winona, Minn. "Wi-To-Co."
Wi-To-Co—See Winona Tool Mfg. Co.

MACHINES, Die Casting

American Die Casting Machinery Co 1516 W Thomas St Chicago 22 Ill
Cleveland Automatic Machine Co 4932 Beech St Norwood Cincinnati 12 Ohio
Federal Die Casting Co 2222 Elston Ave Chicago 14 Ill
Greenlee Bros & Co 1702 Mason Ave Rockford Ill
Hydraulic Press Mfg. Co., Mount Gilead, Ohio
Kux Machine Co 6725 N Ridge Ave Chicago 26 Ill
Lake Erie Machinery Corp 890 Woodward Ave Buffalo 17 N Y
Lester Engrg. Co., 2711 Church Ave., Cleveland 13, Ohio. (Sole distributors, Lester-Phoenix, Inc., 2711 Church Ave., Cleveland 13, Ohio.)
Lewis Welding & Engrg Corp 1 Interstate St Bedford Ohio
Reed-Prentice Div Package Machinery Co 330 Chestnut St East Longmeadow Mass
Watson-Stillman Press Div Farrel-Birmingham Co 565 Blossom Rd Rochester 10 N Y

MACHINES, Die Making (Steel Rules)

Richards Co J A 903 N Pitcher St Kalamazoo Mich "Atlas" "Electromatic"

MACHINES, Die Sinking

Billings & Spencer Co., 1 Laurel St., Hartford 1, Conn.
Cincinnati Milling Machine Co 4701 Marburg Ave Cincinnati 9 Ohio "Hydro-Tel"
Gorton Machine Co., George, 1131 W. 13th St., Racine, Wis.
H-P-M—See Hydraulic Press Mfg. Co.
Hydraulic Press Mfg. Co., Mount Gilead, Ohio. "H-P-M."
Hydro-Tel—See Cincinnati Milling Machine Co.
Kux Machine Co., 3924 Harrison St., Chicago, Ill.
Oliver Instrument Co 1406 E Maumee St Adrian Mich
Pratt & Whitney Co Charter Oak Blvd West Hartford 1 Conn
Reed-Prentice Corp., 677 Cambridge St., Worcester, Mass.
Watson-Stillman Press Div Farrel-Birmingham Co 565 Blossom Rd Rochester 10 N Y

MACHINES, Dieing

Henry & Wright Div of Emhart Mfg Co 700 Windsor St Hartford 1 Conn

MACHINES, Drawing (Bar)

Ajax Mfg. Co., 441 Chardon Rd., Cleveland 17, Ohio. "Ajax-Hogue."
Greenlee Bros & Co 1702 Mason Ave Rockford Ill
McKay Machine Co 825 W Federal St Youngstown Ohio

MACHINES, Drilling (Automatic)

Avey Drilling Machine Div of Motch & Merryweather Mchry Co 25 E Third St Covington Ky
Baker Bros Inc P O Box 101 Sta F Toledo 10 Ohio
Barnes Drill Co., 826 Chestnut St., Rockford, Ill. "Barnesdril."
Baush Machine Tool Co., 156 Wason Ave., Springfield, Mass.
Cleereman Machine Tool Corp 601 Elizabeth St Green Bay Wis (Sole distributors Jackson-Fotsch Co 7350 W Lawrence Ave Chicago 31 Ill)
Cleveland-Nelson Co 1931 Antoinette St Detroit 8 Mich
Hartford Special Machinery Co 287 Homestead Ave Hartford 12 Conn
Hause Machines Inc 809 S Pleasant St Montpelier Ohio
Hillyer Corp 331 Centennial Ave Cranford N J
Kent Machine Co., 113 Portage Trail, Cuyahoga Falls, Ohio.
Kingsbury Machine Tool Corp Laurel St Keene N H
Morris Machine Tool Co 933 Harriet St Cincinnati 3 Ohio
Rehnberg-Jacobson Mfg. Co., 2135 Kishwaukee St., Rockford, Ill.
Snyder Corp 3400 E Lafayette Ave Detroit 7 Mich

MACHINES, Drilling, Bench (Hand)

North Bros Mfg Co Div Stanley Tools American St & Lehigh Ave Philadelphia 33 Pa "Yankee"
Yankee—See North Bros Mfg Co

MACHINES, Drilling, Bench (Power)

Atlas Press Co 1842 N Pitcher St Kalamazoo Mich "Atlas" & "Clausing"
Boice-Crane Co., 930 W. Central Ave., Toledo 6, Ohio.
Cincinnati Lathe & Tool Co Cincinnati 9 Ohio
Clausing—See Atlas Press Co
Delta-Rockwell—See Rockwell Mfg Co
Dumore Co 1300 17th St Racine Wis
Leland-Gifford Co Box 989 Worcester Mass
Rockwell Mfg Co Delta Power Tool Div 400 N Lexington Ave Pittsburgh 8 Pa "Delta-Rockwell"
South Bend Lathe Works 425 E Madison St South Bend 22 Ind
Walker-Turner Div Rockwell Mfg Co 400 N Lexington Ave Pittsburgh 8 Pa

MACHINES, Drilling (Duplex)

Frew Machine Co., 125 E. Luray St., Philadelphia 20, Pa.

MACHINES, Drilling (Heavy Duty)

Baker Bros Inc P O Box 101 Sta F Toledo 10 Ohio
Boice-Crane Co., 930 W. Central Ave., Toledo 6, Ohio.
Colburn—See Consolidated Machine Tool Div
Consolidated Machine Tool Div Farrel-Birmingham Co 565 Blossom Rd Rochester 10 N Y "Colburn"

MACHINES, Drilling (Horizontal)

(See also Machines, Boring, Drilling and Milling [Horizontal])

Baker Bros Inc P O Box 101 Sta F Toledo 10 Ohio
Barnes Co., W. F. & John, 301 S. Water St., Rockford, Ill.
Barnes Drill Co 826 Chestnut St Rockford Ill
Baush Machine Tool Co 156 Wason Ave Springfield 7 Mass
Frew Machine Co., 125 E. Luray St., Philadelphia 20, Pa.
Hole Hog—See Moline Tool Co
Kent Machine Co 113 Portage Trail Cuyahoga Falls Ohio
Le Maire Machine Tool Co 2657 S Telegraph Rd Dearborn Mich
Moline Tool Co 102 20th St Moline Ill "Hole Hog"
Morris Machine Tool Co 933 Harriet St Cincinnati 3 Ohio (Duplex)
Morton Mfg. Co., Broadway and Hoyt Sts., Muskegon Heights, Mich.
National Automatic Tool Co., S. Seventh & N Sts., Richmond, Ind.
Pratt & Whitney Co Charter Oak Blvd West Hartford 1 Conn
Rehnberg-Jacobson Mfg. Co., 2135 Kishwaukee St., Rockford, Ill.
Seneca Falls Machine Co., 314 Fall St., Seneca Falls, N. Y.
Snow Mfg Co 435 Eastern Ave Bellwood Ill
Snyder Corp 3400 E Lafayette Ave Detroit 7 Mich

MACHINES, Drilling (Multiple Spindle Adjustable)

Baush Machine Tool Co., 156 Wason Ave., Springfield, Mass.
Boice-Crane Co., 930 W. Central Ave., Toledo 6, Ohio.
Cincinnati Lathe & Tool Co Cincinnati 9 Ohio
Hole Hog—See Moline Tool Co
Moline Tool Co 102 20th St Moline Ill "Hole Hog"
Natco—See National Automatic Tool Co.
National Automatic Tool Co., S. Seventh & N Sts., Richmond, Ind. "Natco."

MACHINES, Drilling (Multiple Spindle Horizontal and Vertical)

Atlas Press Co 1842 N Pitcher St Kalamazoo Mich "Atlas" "Clausing" (Vertical)
Avey Drilling Machine Div of Motch & Merryweather Mchry Co 25 E Third St Covington Ky
Baker Bros Inc P O Box 101 Sta F Toledo 10 Ohio
Barnes Drill Co., 826 Chestnut St., Rockford, Ill. "Barnesdril." (Vertical.)
Baush Machine Tool Co., 156 Wason Ave., Springfield, Mass.
Boice-Crane Co., 930 W. Central Ave., Toledo 6, Ohio.
Buffalo Forge Co 490 Broadway Buffalo 4 N Y
Buhr Machine Tool Co., 839 Greene St., Ann Arbor, Mich.
Clausing—See Atlas Press Co
Cleereman Machine Tool Corp 601 Elizabeth St Green Bay Wis (Sole distributors Jackson-Fotsch Co 7350 W Lawrence Ave Chicago 31 Ill)
Colburn—See Consolidated Machine Tool Div
Consolidated Machine Tool Div Farrel-Birmingham Co 565 Blossom Rd Rochester 10 N Y "Colburn" (Vertical)
Cross Co 17801 E 14 Mile Rd Fraser Mich
Davis & Thompson Co 4460 N 124th St Milwaukee 18 Wis "Roto-Matic"

Delta-Rockwell—See Rockwell Mfg Co Delta Power Tool Div
Famco Machine Co 3100 Sheridan Rd Kenosha Wis
Fitchburg Engrg Corp Cleghorn St Fitchburg Mass
Footburt—See Foote-Burt Co
Foote-Burt Co., 13000 St. Clair Ave., Cleveland, Ohio. "Footburt."
Fosdick Machine Tool Co., Blue Rock & Apple Sts., Cincinnati 23, Ohio.
Fox Engrg Co 1336 Francis St Jackson Mich
Giddings & Lewis Machine Tool Co Cincinnati Bickford Div Cincinnati 9 Ohio
Greenlee Bros. & Co 1702 Mason Ave Rockford Ill
Hole-Hog—See Moline Tool Co
Kent Machine Co 113 Portage Trail Cuyahoga Falls Ohio (Horizontal)
Kingsbury Machine Tool Corp Laurel St Keene N H
Leland-Gifford Co Box 989 Worcester Mass
LeMaire Machine Tool Co 2657 S Telegraph Rd Dearborn Mich (Vertical)
Michigan Special Machine Co 11449 Timken Ave Warren Mich
Moline Tool Co 102 20th St Moline Ill "Hole Hog"
Morris Machine Tool Co 933 Harriet St Cincinnati 3 Ohio
Natco—See National Automatic Tool Co.
National Automatic Tool Co., S. Seventh & N Sts., Richmond, Ind. "Natco."
Pratt & Whitney Co Charter Oak Blvd West Hartford Conn
Rockwell Mfg Co Delta Power Tool Div 400 N Lexington Ave Pittsburgh 8 Pa "Delta-Rockwell"
Root Co B M Prospect & Sherman Sts York, Pa.
Roto-Matic—See Davis & Thompson Co
Sibley Machine & Foundry Corp 206 E Tutt St South Bend 23 Ind (Vertical)
Snyder Corp 3400 E Lafayette Ave Detroit 7 Mich
Sundstrand Machine Tool Div Sundstrand Corp Belvidere Ill
Swift Ohio Corp 17325 Lamont St Detroit 12 Mich
Walker-Turner Div Rockwell Mfg Co 400 N Lexington Ave Pittsburgh 8 Pa (Vertical)
Zagar Tool Inc 24000 Lakeland Blvd Cleveland 23 Ohio "Cintidrill"

MACHINES, DRILLING (PORTABLE)—See Drills, Portable

MACHINES, Drilling (Radial)

American Tool Works Co., Pearl & Eggleston Aves., Cincinnati 2, Ohio.
Carlton Machine Tool Co., Spring Grove Ave. & Meeker St., Cincinnati, Ohio.
Cincinnati Lathe & Tool Co Cincinnati 9 Ohio "Hardclad"
ECCO—See Ekstrom Carlson & Co
Ekstrom Carlson & Co 1400 Railroad Ave Rockford Ill "ECCO"
Foote-Burt Co., 13000 St. Clair Ave., Cleveland 3, Ohio. "Hammond."
Fosdick Machine Tool Co., Blue Rock & Apple Sts., Cincinnati 23, Ohio.
Giddings & Lewis Machine Tool Co Cincinnati Bickford Div Cincinnati 9 Ohio
Giddings & Lewis Machine Tool Co Kaukauna Div Kaukauna Wis (Universal)
Hammond—See Foote-Burt Co.
Hardclad—See Cincinnati Lathe & Tool Co
Morris Machine Tool Co 933 Harriet St Cincinnati 3 Ohio "Mor-Speed"
Mor-Speed—See Morris Machine Tool Co.
Shopmaster Div Energy Mfg Co 100 N Main St Monticello Iowa
Veet Industries 25753 Grosbeck Highway E Detroit Mich
Walker-Turner Div Rockwell Mfg Co 400 N Lexington Ave Pittsburgh 8 Pa
Western Machine Tool Works 255 W Ninth St Holland Mich

MACHINES, Drilling (Sensitive)

Avey Drilling Machine Div of Motch & Merryweather Mchry Co 25 E Third St Covington Ky
Baker Bros Inc P O Box 101 Sta F Toledo 10 Ohio
Boice-Crane Co., 930 W. Central Ave., Toledo 6, Ohio.
Buffalo Forge Co 490 Broadway Buffalo 4 N Y
Burg Tool Mfg Co 15001 S Figueroa St Los Angeles Calif
Champion Blower & Forge Co., Harrisburg Ave. & Charlotte St., Lancaster, Pa.
Delta-Rockwell—See Rockwell Mfg Co
Dumore Co 1300 17th St Racine Wis
Foote-Burt Co., 13000 St. Clair Ave., Cleveland, Ohio. "Sipp."
Fosdick Machine Tool Co., Blue Rock & Apple Sts., Cincinnati 23, Ohio. "Fosdick," "Fosmatic."
Hamilton Tool Co 9th & Hanover Sts Hamilton Ohio "Hamilton" & "Varimatic"
Hi-Eff—See Taylor Dynamometer & Machine Co.
High Speed Hammer Co 313 Norton St Rochester 21 N Y
Leland-Gifford Co Box 989 Worcester Mass
National Automatic Tool Co., S. Seventh & N Sts., Richmond, Ind.
Rockwell Mfg Co Delta Power Tool Div 400 N Lexington Ave Pittsburgh 8 Pa "Delta-Rockwell"
Sibley Machine & Foundry Corp 206 E Tutt St South Bend 23 Ind
Sipp—See Foote-Burt Co.
Taylor Dynamometer & Machine Co 6411 River Parkway Milwaukee 13 Wis "Hi-Eff"
Varimatic—See Hamilton Tool Co

MACHINES, Drilling (Ultrasonic)

Acoustica Associates Inc Shore Rd Glenwood Landing L I N Y

MACHINES, Drilling (Vertical)

Aurora Tool Works, 6751 Merwin Ave., Cincinnati 27, Ohio.
Baker Bros Inc P O Box 101 Sta F Toledo 10 Ohio
Barnes Co., W. F., & John, 301 S. Water St., Rockford, Ill.
Barnes Drill Co., 826 Chestnut St., Rockford, Ill.
Boice-Crane Co., 930 W. Central Ave., Toledo 6, Ohio.
Buhr Machine Tool Co 839 Greene St Ann Arbor Mich
Champion Blower & Forge Co., Harrisburg Ave. & Charlotte St., Lancaster, Pa.
Cleereman Machine Tool Corp 601 Elizabeth St Green Bay Wis (Sole distributors Jackson-Fotsch Co 7350 W Lawrence Ave Chicago 31 Ill)
Colburn—See Consolidated Machine Tool Div
Consolidated Machine Tool Div Farrel-Birmingham Co 565 Blossom Rd Rochester 10 N Y "Colburn"
Dalzen Mfg Co 4600 Bree Rd St Clair Mich (Combination center grinder and drill press)
Davis & Thompson Co 4460 N 124th St Milwaukee 18 Wis "Roto-Matic"
Delta-Rockwell—See Rockwell Mfg Co
Dremel Mfg. Co., 2420 18th St., Racine, Wis "Moto-Tool."
Footburt—See Foote-Burt Co.
Foote-Burt Co., 13000 St. Clair Ave., Cleveland, Ohio. "Footburt."
Fosdick Machine Tool Co., Blue Rock & Apple Sts., Cincinnati 23, Ohio.
Hartford Special Machinery Co 287 Homestead Ave Hartford 12 Conn
High Speed Hammer Co 313 Norton St Rochester 21 N Y
James Engrg & Mchry Co 2451 Monroe Blvd Dearborn Mich "Romulus"
Millholland Machinery Co W K 6402 Westfield Blvd Indianapolis 20 Ind
Moto-Tool—See Dremel Mfg. Co.
National Automatic Tool Co., S. Seventh & N Sts., Richmond, Ind.
Rehnberg-Jacobson Mfg. Co., 2135 Kishwaukee St., Rockford, Ill.
Rockwell Mfg Co Delta Power Tool Div 400 N Lexington Ave Pittsburgh 8 Pa "Delta-Rockwell"
Romulus—See James Engrg & Mchry Co
Roto-Matic—See Davis & Thompson Co
Sibley Machine & Foundry Corp 206 E Tutt St South Bend 23 Ind
Snow Mfg. Co., 435 Eastern Ave., Bellwood, Ill
South Bend Lathe Works 425 E Madison St South Bend 22 Ind
Swift Ohio Corp 17325 Lamont St Detroit 12 Mich
Wales-Strippit Inc Akron N Y
Walker-Turner Div Rockwell Mfg Co 400 N Lexington Ave Pittsburgh 8 Pa
Western Machine Tool Works 255 W Ninth St Holland Mich
Wisconsin Drill Head Co 4987 W 124th St Butler Wis

MACHINES, Drilling and Centering

Fitchburg Engineering Corp Cleghorn St Fitchburg Mass
Loswing—See Seneca Falls Machine Co.
Millholland Machinery Co W K 6402 Westfield Blvd Indianapolis 20 Ind
Seneca Falls Machine Co., 314 Fall St., Seneca Falls, N. Y. "Lowsing." (Automatic.)
Snyder Corp 3400 E Lafayette Ave Detroit 7 Mich
Sundstrand Machine Tool Div of Sundstrand Corp Belvidere Ill

MACHINES, Drilling and Grinding

Ex-Cell-O Corp 1200 Oakman Blvd Detroit 32 Mich (Grinding)

MACHINES, Drilling and Reaming

Agnew Machine Co 121 S Main St Milford Mich (Special types)
Baker Bros Inc P O Box 101 Sta F Toledo 10 Ohio
Baush Machine Tool Co 156 Wason Ave Springfield 7 Mass
Davis & Thompson Co 4460 N 124th St Milwaukee 18 Wis "Roto-Matic"
Edlund Mchry Co Div of Harco 37 Huntington St Cortland N Y
Ex-Cell-O Corp 1200 Oakman Blvd Detroit 32 Mich
Fox Engrg Co 1336 Francis St Jackson Mich
Morris Machine Tool Co 933 Harriet St Cincinnati 3 Ohio
Rehnberg-Jacobson Mfg Co 2135 Kishwaukee St Rockford Ill
Roto-Matic—See Davis & Thompson Co
Swift Ohio Corp 17325 Lamont St Detroit 12 Mich

MACHINES, Drilling and Tapping

Baker Bros Inc P O Box 101 Sta F Toledo 10 Ohio
Barnes Co W F & John 301 S Water St Rockford Ill
Barnes Drill Co 826 Chestnut St Rockford Ill
Baush Machine Tool Co., 156 Mason Ave., Springfield 7, Mass.
Beckett-Harcum Co 1140 Wayne Rd Wilmington Ohio "Beckett" (Automatic)
Bodine Corp 217 Mt Grove St Bridgeport 5 Conn (Dial type)
Buhr Machine Tool Co 839 Greene St Ann Arbor Mich
Burg Tool Mfg Co 15001 S Figueroa St Los Angeles Calif **"Burgmaster" (Turret type)**
Cleereman Machine Tool Corp 601 Elizabeth St Green Bay Wis (Sole distributors Jackson-Fotsch Co 7350 W Lawrence Ave Chicago 31 Ill)
Cleveland Tapping Machine Co Brook St Elmwood Conn
Davis & Thompson Co 4460 N 124th St Milwaukee 18 Wis
Deka-Drill—See Precision Tool & Mfg Co of Illinois
Delta-Rockwell—See Rockwell Mfg Co
Edlund Machinery Co Div of Harsco Corp 37 Huntington St Cortland N Y
Foote-Burt Co., 13000 St. Clair Ave., Cleveland 8, Ohio.
Fox Engrg Co 1336 Francis St Jackson Mich
Giddings & Lewis Machine Tool Co Cincinnati Bickford Div Cincinnati 9 Ohio (Upright)
Giddings & Lewis Machine Tool Co Kaukauna Div Kaukauna Wis (Horizontal)
Govro-Nelson Co 1931 Antoinette St Detroit 8 Mich
Greenlee Bros & Co 1702 Mason Ave Rockford Ill
Hartford Special Machinery Co 287 Homestead Ave Hartford 12 Conn (Automatic)
Hause Machines Inc 809 S Pleasant St Montpelier Ohio
Kaufman Mfg Co 29th St & Meadow Lane Manitowoc Wis
Kearney & Trecker Corp 6800 W National Ave Milwaukee 14 Wis "Kearney & Trecker-Milwaukee"
Kingsbury Machine Tool Corp Laurel St Keene N H (Automatic)
Michigan Special Machine Co 11449 Timken Ave Warren Mich
Millholland Machinery Co W K 6402 Westfield Blvd Indianapolis 20 Ind
Morris Machine Tool Co 933 Harriet St Cincinnati 3, Ohio
Natco—See National Automatic Tool Co.
National Automatic Tool Co., S. Seventh & N Sts., Richmond, Ind. "Natco."
Precision Tool & Mfg Co of Illinois 1305 S Laramie Ave Cicero 50 Ill "Deka-Drill" (Multiple spindle)
Rehnberg-Jacobson Mfg Co 2135 Kishwaukee St Rockford Ill
Rockwell Mfg Co Delta Power Tool Div 400 N Lexington Ave Pittsburgh 8 Pa "Delta-Rockwell"
Snyder Corp 3400 E Lafayette Ave Detroit 7 Mich
Wisconsin Drill Head Co 4987 W 124th St Butler Wis

MACHINES, Drying (Metal Parts)

(For drying and brightening small metal parts)

American Laundry Machinery Co Norwood Station Cincinnati 12 Ohio

MACHINES, Drying (Metal Parts) — continued

American Machine & Metals Inc Tolhurst Centrifugal Div East Moline Ill "Tolhurst"
Barrett Co., Leon J., 1477 Grafton St., Worcester, Mass. "Cyclone." (Centrifugal.)
Blakeslee & Co G S 1844 S Laramie Ave Cicero 50 Ill
Cincinnati Cleaning & Finishing Machinery Co 317 Hecla St Ironton Ohio
Circo Equipment Co 120 Central Ave Clark N J
Cyclone—See Leon J. Barrett Co.
Detrex Chemical Industries Inc Box 501 Detroit 32 Mich
De Vilbiss Metal Fabricators Co 17900 Ryan Rd Detroit 12 Mich (Combined belt conveyorized washer and dryer)
Drying Systems Co 1810½ Foster Ave Chicago 40 Ill
Industrial Washing Machine Corp 32 Main St Matawan N J (Combined belt conveyorized washer and dryer)
International Conveyor & Washer Corp 652 E Fort St Detroit 26 Mich
Mahon Co R C 6565 E Eight Mile Rd Detroit 34 Mich (Combined belt conveyorized washer and dryer)
Metalwash Machinery Corp 901 North Ave Elizabeth 4 N J
Paasche Airbrush Co., 1709 Diversey Parkway, Chicago 14, Ill.
Ransohoff Inc N 5th St at Ford Blvd Hamilton Ohio
Steiner-Ives Co Springfield Rd Union N J
Tolhurst—See American Machine & Metals Inc Tolhurst Centrifugal Div

MACHINES, Duplicating (Metal)

Keller—See Pratt & Whitney Co
O'Neil-Irwin Mfg Co 514 Eighth Ave Lake City Minn "Di-Arco" (Die-less)
Pratt & Whitney Co Charter Oak Blvd West Hartford 1 Conn "Keller"

MACHINES, Electrical Discharge

Cincinnati Milling Machine Co 4701 Marburg Ave Cincinnati 9 Ohio "Elektrojet"
Elektrojet—See Cincinnati Milling Machine Co
Elox Corp of Michigan 1830 N Stephenson Highway Royal Oak 3 Mich (For die sinking, grinding, boring, etc)

MACHINES, Electro-Spark

Ex-Cell-O Corp 1200 Oakman Blvd Detroit 32 Mich "XLO"

MACHINES, Expanding (Hydraulic)

Grotnes Machine Works Inc 5454 N Wolcott Ave Chicago 40 Ill

MACHINES, Extruding

Verson Allsteel Press Co 93rd St & Kenwood Ave Chicago 19 Ill

MACHINES, Fabric Cutting

Eastman Machine Co., 779 Washington St., Buffalo, N. Y.

MACHINES, Fabric Drilling

Eastman Machine Co., 779 Washington St., Buffalo, N. Y.

MACHINES, Filing

(See also Machines, Sawing and Filing)

Grob Inc Grafton Wis (Die)
High Speed Hammer Co 313 Norton St Rochester 21 N Y
Keller—See Sales Service Machine Tool Co
Oliver Instrument Co 1406 E Maumee St Adrian Mich
Rice Pump & Machine Co 600 Park St Belgium Wis "Rice Milwaukee"
Sales Service Machine Tool 2363 University Ave St Paul 14 Minn "Keller"
Wardwell Mfg Corp 3805 Ridge Ave Cleveland 9 Ohio (Automatic saw)

MACHINES, Flame Cutting

Cogmatic Div Seaman-Andwall Corp 313 N 25th St Milwaukee Wis
Linde Co 30 E 42nd St New York 17 N Y "Oxweld"
NCG—See National Cylinder Gas Div
National Cylinder Gas Div of Chemetron Corp 840 N Michigan Ave Chicago 11 Ill "NCG"
Oxweld—See Linde Co

MACHINES, Flash Trimming

Federal Machine & Welder Co 1745 Overland Ave Warren Ohio
Morton Mfg. Co., Broadway & Hoyt St., Muskegon Heights, Mich.

MACHINES, Flexible Shaft (Portable Electric)

(Portable flexible shaft machines with attachments for grinding, polishing, sanding, etc.)

Albertson & Co., 3100 Lowell Ave., Sioux City, Iowa. "Sioux."
Coolflex—See Precise Products Corp
Dixon Inc William 32 E Kinney St Newark 1 N J
Dumore Co 1300 17th St Racine Wis
Haskins Co., R. G., 2651 W. Harrison St., Chicago 27, Ill.
Jarvis Corp Middletown Conn
Kellerflex—See Pratt & Whitney Co
L & R Mfg Co 577 Elm St Kearny N J
Martindale Electric Co., 1240 Hird Ave., Cleveland 7, Ohio. "Martindale Motor-Flex."
Pratt & Whitney Co Charter Oak Blvd West Hartford 1 Conn "Kellerflex"
Precise Products Corp 3715 Blue River Rd Racine Wis "Coolflex"
Remington Arms Co 939 Barnum Ave Bridgeport 2 Conn
Sioux—See Albertson & Co.
Stow Mfg Co 443 State St Binghamton N Y
Strand Flexible Shaft Inc N A 601 S Washtenaw Ave Chicago 12 Ill
Wyco—See Wyzenbeek & Staff, Inc.
Wyzenbeek & Staff Inc 223 N California Ave Chicago 12 Ill "Wyco"

MACHINES, Forging

Acme—See Hill Acme Co Acme Machinery Div
Ajax Mfg Co 1441 Charon Rd Cleveland 17 Ohio
Chambersburg Engrg Co Derbyshire St Chambersburg Pa (Automatic)
Hill Acme Co Acme Machinery Div 1201 W 65th St Cleveland 2 O "Acme"
Morris Machine Tool Co 923 Harriet St Cincinnati 3 Ohio
National Machinery Co., Tiffin, Ohio.

MACHINES, Forming (Cold Roll)

Bath Co Cyril 32280 Aurora Rd Solon Ohio
Grotnes Machine Works Inc 5454 N Wolcott St Chicago 40 Ill
Kane & Roach Inc Niagara & Shonnard Sts Syracuse 4 N Y
McKay Machine Co 825 W Federal St Youngstown Ohio
Niagara Machine & Tool Works 683 Northland Ave Buffalo 11 N Y
Peck, Stow & Wilcox Co., 217 Center St., Southington, Conn. "Pexto."
Pexto—See Peck, Stow & Wilcox Co.
Richards Co J A 903 N Pitcher St Kalamazoo Mich (Air operated also hand operated)
Tishken Products Co 1300 W Eight Mile Rd Detroit 37 Mich
Yoder Co., 5553 Walworth Ave., Cleveland 2, Ohio.

MACHINES, Forming (Metal)

Baird Machine Co 1700 Stratford Ave Stratford Conn (Automatic for wire and ribbon)
Cincinnati Milling Machine Co Meta-Dynamics Div 4701 Marburg Ave Cincinnati 9 Ohio "Intraform" "Hydroform" "Hydrospin"
Convair a Div of General Dynamics Corp 3165 Pacific Highway San Diego 12 Calif "Dynapak" (High-energy)
Dynapak—See Convair a Div of General Dynamics Corp
Fellows Gear Shaper Co 78 River St Springfield Mo "Fellows-Apple" (Cold)
Hydraform—See Cincinnati Milling Machine Co
Hydrospin—See Cincinnati Milling Machine Co
Intraform—See Cincinnati Milling Machine Co

MACHINES, Forming (Radial Draw)

Bath Co Cyril 32400 Aurora Rd Solon Ohio

MACHINES, Galvanizing

Barrett Co Leon J 1477 Grafton St Worcester Mass "Whizo" (Centrifugal)
Meaker Co 1629 S 55th Ave Chicago 50 Ill (Electro)
Whizo—See Leon J. Barrett Co.

MACHINES, Gear Cutting

Barber-Colman Co., 1300 Rock St., Rockford, Ill.
Farrel-Birmingham Co 97 Main St Ansonia Conn "Farrel-Sykes"
Fellows Gear Shaper Co., 78 River St., Springfield, Vt.
G & E—See Gould & Eberhardt Div of Norton Co
Gleason Works, 100 University Ave., Rochester 3, N. Y.
Gould & Eberhardt Div of Norton Co Worcester 6 Mass
Michigan Tool Co., 7171 McNichols Rd., E. Detroit 12, Mich.
Mill-matic—See Producto Machine Co.
P & J Newark—See Potter & Johnston Co
Potter & Johnston Co 1027 Newport Ave Pawtucket R I "P & J Newark" (Automatic)
Producto Machine Co., 990 Housatonic Ave., Bridgeport 1, Conn. "Mill-matic."
Waltham Machine Works, 296 Newton St., Waltham, Mass.

MACHINES, Gear Hobbing

Barber-Colman Co., 1300 Rock St., Rockford, Ill.
G & E—See Gould & Eberhardt Div of Norton Co
Gould & Eberhardt Div of Norton Co Worcester 6 Mass
Hamilton Tool Co 9th & Hanover Sts Hamilton
Koepfer—See George Scherr Co
Lees-Bradner Co., Elmwood Ave. & W. 121st St., Cleveland 11, Ohio.
Michigan Tool Co 7171 McNichols Rd E Detroit 12 Mich
Scherr Co George 200 Lafayette St New York 12 N Y "Koepfer"

MACHINES, GEAR LAPPING—See Machines, Lapping

MACHINES, Gear Shaving

Fellows Gear Shaper Co 78 River St Springfield Vt
Michigan Tool Co 7171 McNichols Rd E Detroit 12 Mich
National Broach & Machine Co., 5600 St. Jean Ave., Detroit 13, Mich. "Red Ring."

MACHINES, GEAR TESTING—See Machines, Testing (Gear)

MACHINES, Gear Tooth Chamfering and Finishing

Cross Co 17801 E 14 Mile Rd Fraser Mich
Gerac—See Illinois Tool Works
Gleason Works 1000 University Ave Rochester 3 N Y
Illinois Tool Works 2501 N Keeler Ave Chicago 39 Ill "Gerac"
Michigan Tool Co., 7171 McNichols Rd., E. Detroit 12, Mich. (Finishing.)
Modern Industrial Engrg Co 14230 Birwood Ave Detroit 38 Mich
National Broach & Machine Co 5600 St Jean Ave Detroit 13 Mich
Sheffield Corp 721 Springfield St Dayton 1 Ohio

MACHINES, GEAR TOOTH GRINDING—See Machines, Grinding (Gear Tooth)

MACHINES, Glass Beveling and Grinding

Lange Machine Works Henry G 156 N May St Chicago 7 Ill
Somaca—See Sommer & Maca Glass Machinery Co.
Sommer & Maca Glass Machinery Co 5501 W Ogden Ave Chicago 50 Ill "Somaca"

MACHINES, Gluing (Wood)

Black Bros. Co., 800 Third St., Mendota, Ill
Francis Co., Chas. E., Huntington, Ind.

MACHINES, Grinding (Abrasive Belt)

Sales Service Machine Tool Co 2363 University Ave St Paul 14 Minn "Tri-Matic"

MACHINES, Grinding (Ball Race)

Cincinnati Milling Machine Co 4701 Marburg Ave Cincinnati 9 Ohio "Micro-Centric"
Landis Tool Co Sixth St Waynesboro Pa
Micro-Centric—See Cincinnati Milling Machine Co
Van Norman Machine Co 3640 Main St Springfield 7 Mass

MACHINES, GRINDING, BENCH (ELECTRIC)—See Grinders, Bench (Electric)

MACHINES, Grinding (Broach)

American—See Sundstrand American Broach Div
Sundstrand American Broach Div of Sundstrand Corp 415 W Huron St Ann Arbor Mich "American"
Thompson Grinder Co., 1534 W. Main St., Springfield, Ohio.

MACHINES, Grinding (Cam)

Bryant Chucking Grinder Co 257 Clinton St Springfield Vt
Landis Tool Co Sixth St Waynesboro Pa (Contour)
Norton Co., 1 New Bond St., Worcester 6 Mass.
Rowbottom Machine Co Sheffield St Waterbury 14 Conn
Van Norman Automotive Equipment Co 3640 Main St Springfield 7 Mass

MACHINES, Grinding (Centerless)

Cincinnati Milling Machine Co Grinding Machine Div 4701 Marburg Ave Cincinnati 9 Ohio
Engelberg Inc 831 W Fayette St Syracuse 4 N Y (Abrasive belt)
Heald Machine Co 10 New Bond St Worcester 6 Mass
Landis Tool Co Sixth St Waynesboro Pa
Norton Co 1 New Bond St Worcester 6 Mass
Production Machine Co 311 Wells St Greenfield Mass
Royal Master Inc State Highway No 23 Riverdale N J
Van Norman Machine Co 3640 Main St Springfield 7 Mass

MACHINES, Grinding (Chucking)

Bryant Chucking Grinder Co., 257 Clinton St., Springfield, Vt.
Bullard Co 286 Canfield Ave Bridgeport 9 Conn (Vertical)
Cincinnati Milling Machine Co Grinding Machine Div 4701 Marburg Ave Cincinnati 9 Ohio
Landis Tool Co Sixth St Waynesboro Pa
Norton Co 1 New Bond St Worcester 6 Mass
Springfield Machine Tool Co 631 Southern Ave W Springfield Ohio

MACHINES, Grinding (Contour)

Baker Bros Inc P O Box 101 Sta F Toledo 10 Ohio
Cleveland Grinding Machine Co 1643 Eddy Rd Cleveland 12 Ohio "Visual Grind"
Frauenthal Div Kaydon Engrg Corp Muskegon Mich
Visual Grind—See Cleveland Grinding Machine Co

MACHINES, Grinding (Crankpin)

Norton Co 1 New Bond St Worcester 6 Mass

MACHINES, Grinding, Crankshaft (Production)

Landis Tool Co Sixth St Waynesboro Pa
Norton Co 1 New Bond St Worchester 6 Mass "Crank-O-Matic"
Van Norman Automotive Equipment Co 3640 Main St Springfield 7 Mass

MACHINES, Grinding (Cylinder)

(See also Machines, Honing [Cylinder])

Heald Machine Co 10 New Bond St Worcester 6 Mass
Lempco Products Inc 5490 Dunham Rd Berford Ohio

MACHINES, Grinding, Cylindrical (Automatic)

Cedar Rapids Engrg Co 902 17th St NE Cedar Rapids Ia
Hammond Machinery Builders, Inc., 1621 Douglas Ave., Kalamazoo 54, Mich.
Micromatic Hone Corp 8100 Schoolcraft Ave Detroit 38 Mich
Norton Co 1 New Bond St Worcester 6 Mass (Semi-automatic)

MACHINES, Grinding, Cylindrical (Plain)

Brown & Sharpe Mfg. Co., 235 Promenade St., Providence, R. I.
Cincinnati Milling Machine Co Grinding Machine Div 4701 Marburg Ave Cincinnati 9 Ohio
Farrel-Birmingham Co., 97 Main St., Ansonia, Conn.
Frauenthal Div Kaydon Engrg Corp Muskegon Mich
Landis Tool Co Sixth St Waynesboro Pa
Micromatic Hone Corp 8100 Schoolcraft Ave Detroit 38 Mich
Norton Co., 1 New Bond St., Worcester 6, Mass.

MACHINES, Grinding, Cylindrical (Universal)

Brown & Sharpe Mfg. Co., 235 Promenade St., Providence, R. I.
Cincinnati Milling Machine Co 4701 Marburg Ave Cincinnati 9 Ohio
Micromatic Hone Corp 8100 Schoolcraft Ave Detroit 38 Mich

MACHINES, Grinding (Die)

Blanchard Machine Co., 64 State St., Cambridge 39, Mass.
Covel Mfg. Co., Graham Ave., Benton Harbor, Mich.
Peters Tool Co., 114 E. Scott St., Milwaukee 4, Wis.
Pratt & Whitney Co Charter Oak Blvd West Hartford 1 Conn
United States Electrical Tool Co 3620 Llewelyn St Cincinnati 23 Ohio

MACHINES, Grinding (Disc)

Besly-Welles Corp 20 N Wacker Drive Chicago 6 Ill
Bradford Machine Tool Co 722 Porter St Lansing 5 Mich "Metalmaster"
Delta-Rockwell—See Rockwell Mfg Co
Gardner Machine Co., 444 E. Gardner St., Beloit, Wis.
Hisey-Wolf Machine Co Galvin & Mt Hope Aves Cincinnati 4 Ohio
Kindt-Collins Co., 12651 Elmwood Ave., Cleveland 11, Ohio. "Master."
Master—See Kindt-Collins Co.
Mattison Machine Works 545 Blackhawk Park Ave Rockford Ill
Metalmaster—See Bradford Machine Tool Co.
Rockwell Mfg Co Delta Power Tool Div 400 N Lexington Ave Pittsburgh 8 Pa "Delta-Rockwell"
Rush Mfg Co E S 499 San Fernando Rd Los Angeles 31 Calif
United States Electrical Tool Co 3620 Llewelyn St Cincinnati 23 Ohio

MACHINES, Grinding (Drill)

Black Diamond Saw & Machine Works 81 North Ave Natick Mass "Black Diamond" "Worcester" (Sole distributors Edward Blake Co 437 Cherry St West Newton 65 Mass)
Consolidated Machine Tool Div Farrel-Birmingham Co 565 Blossom Rd Rochester 10 N Y "Sellers"
Covel Mfg. Co., Graham Ave., Benton Harbor, Mich.
Delta-Rockwell—See Rockwell Mfg Co
Dumore Co 1300 17th St Racine Wis
Hisey-Wolf Machine Co Galvin & Mt Hope Aves Cincinnati 4 Ohio
McDonough Mfg. Co. (Machine Tool Dept.), 1500 Galloway St., Eau Claire, Wis. "Sterling."
Micromatic Hone Corp 8100 Schoolcraft Ave Detroit 38 Mich
Oliver Instrument Co 1406 E Maumee St Adrian Mich
Rockwell Mfg Co Delta Power Tool Div 400 N Lexington Ave Pittsburgh 8 Pa "Delta-Rockwell"
Sellers—See Consolidated Machine Tool Div
Sterling—See McDonough Mfg Co
Worcester—See Black Diamond Saw & Machine Works

MACHINES, Grinding (Face)

Besly-Welles Corp 20 N Wacker Dr Chicago 6 Ill
Frauenthal Div Kaydon Engrg Corp Muskegon Mich
Mattison Machine Works 545 Blackhawk Park Ave Rockford Ill
Oliver Instrument Co 1406 E Maumee St Adrian Mich

MACHINES, Grinding (Form)

Micromatic Hone Corp 8100 Schoolcraft Ave Detroit 38 Mich
Sheffield Corp 721 Springfield St Dayton 1 Ohio

MACHINES, Grinding (Gear Tooth)

Fellows Gear Shaper Co 78 River St Springfield Vt "Fellows-Reishauer"
Gear Grinding Machine Co., 3901 Christopher Ave., Detroit 11, Mich.
Gleason Works, 1000 University Ave., Rochester 3, N. Y.
National Broach & Machine Co., 5600 St. Jean Ave., Detroit 13, Mich. "Red Ring."
Pratt & Whitney Co Charter Oak Blvd West Hartford 1 Conn
Red Ring—See National Broach & Machine Co.
Van Norman Machine Co 3640 Main St Springfield 7 Mass

MACHINES, Grinding (Hob)

Barber-Colman Co., 1300 Rock St., Rockford, Ill.

MACHINES, Grinding (Internal)

Bryant Chucking Grinder Co., 257 Clinton St., Springfield, Vt.
Frauenthal Div Kaydon Engrg Corp Muskegon Mich
Gage-Matic—See Heald Machine Co.
Gear Grinding Machine Co., 3601 Christopher Ave., Detroit 11, Mich.
Heald Machine Co 10 New Bond St Worcester 6, Mass. "Size-Matic." "Gage-Matic." (Plain and automatic.)
Hisey-Wolf Machine Co Galvin & Mt Hope Aves Cincinnati 4 Ohio
Lempco Products, Inc., 5727 Dunham Rd., Bedford, Ohio.
Parker-Majestic Inc 147 Jos Campau Ave Detroit 7 Mich
Pratt & Whitney Co Charter Oak Blvd West Hartford 1 Conn
Rivett Inc 20 Riverview Rd Brighton Boston 35 Mass
Size Matic—See Heald Machine Co
Sundstrand Machine Tool Div of Sundstrand Corp Belvidere Ill

MACHINES, Grinding (Jig)

Moore Special Tool Co 740 Union Ave Bridgeport 7 Conn

MACHINES, GRINDING (PISTON)—See Machines, Piston Turning and Grinding

MACHINES, Grinding (Piston Ring)

Lehmann-Brandes Machine Co 3560 Chouteau Ave St Louis 3 Mo

MACHINES, GRINDING (PORTABLE)—See Grinders, Portable

MACHINES, GRINDING (PROFILE) — See Machines, Profiling

MACHINES, Grinding (Radius)

Oliver Instrument Co 1406 E Maumee St Adrian Mich
Pratt & Whitney Co Charter Oak Blvd West Hartford 1 Conn
Van Norman Machine Co 3640 Main St Springfield 7 Mass (Oscillating type)

MACHINES, Grinding (Reamer and Cutter)

Barber-Colman Co., 1300 Rock St., Rockford, Ill.
Cincinnati Milling Machine Co 4701 Marburg Ave Cincinnati 9 Ohio "Monoset" "Projecto-Form" (Cutter)
Covel Mfg. Co., Graham Ave., Benton Harbor, Mich. "Covel," "Excel."
Excel—See Covel Mfg. Co.
Gallmeyer & Livingston Co., 346 Straight Ave., Grand Rapids 4, Mich. "Grand Rapids."
Gorton Machine Co., George, 1131 W. 13th St., Racine, Wis.
Grand Rapids—See Gallmeyer & Livingston Co
Ingersoll Milling Machine Co Rockford Ill
Kearney & Trecker Corp 6500 W National Ave Milwaukee 14 Wis "Kearney & Trecker-Milwaukee"
Lee Co., K. O., Congress at First Ave., S. E., Aberdeen S D
McDonough Mfg. Co. (Machine Tool Dept.), 1500 Galloway St., Eau Claire, Wis. "Sterling."
Micromatic Hone Corp 8100 Schoolcraft Ave Detroit 38 Mich
Monoset—See Cincinnati Milling Machine Co
Norton Co., 1 New Bond St., Worcester 6, Mass.
Oliver Instrument Co 1406 E Maumee St Adrian Mich
Pratt & Whitney Co Charter Oak Blvd West Hartford 1 Conn (Cutter)
Projecto-Form—See Cincinnati Milling Machine Co
Sterling—See McDonough Mfg. Co.

MACHINES, Grinding (Reamer and Cutter—continued

Union Twist Drill Co., Monroe St., Athol, Mass.
Waltham Machine Works Inc 296 Newton St Waltham Mass (Cutter)
Wardwell Mfg Corp 3805 Ridge Ave Cleveland 9 Ohio (Automatic flute)

MACHINES, Grinding (Saw)

Espen-Lucas Machine Works, Front St. & Girard Ave., Philadelphia 23, Pa.
Hanchett Mfg Co 906 W State St Big Rapids Mich (Band and circular)
Wardwell Mfg Corp 3805 Ridge Ave Cleveland 9 Ohio (Automatic)

MACHINES, Grinding (Spline Shaft)

Gear Grinding Machine Co., 3901 Christopher Ave., Detroit 11, Mich.
Thompson Grinder Co., 1534 W. Main St., Springfield, Ohio.

MACHINES, Grinding (Springs, Washers, Etc.)

Besly-Welles Corp 20 N Wacker Drive Chicago 6 Ill

MACHINES, GRINDING (SUPERFINISHING)—See Machines, Superfinishing

MACHINES, Grinding (Surface)

Besly-Welles Corp 20 N Wacker Drive Chicago 6 Ill
Blanchard Machine Co., 64 State St., Cambridge 39, Mass.
Boyar-Schultz Corp 2000 S 25th Ave Broadview Ill (Hydraulic)
Bridgeport—See United Engrg & Fdry Co
Brown & Sharpe Mfg. Co., 235 Promenade St., Providence, R. I.
Cincinnati Milling Machine Co Grinding Machine Div 4701 Marburg Ave Cincinnati 9 Ohio
Covel Mfg Co Graham Ave Benton Harbor Mich "Covel" "Excel"
Curtis Machine Div Carborundum Co 1300 E Second St Jamestown N Y
Delta-Rockwell—See Rockwell Mfg Co Delta Power Tool Div
Do All Co., 254 N. Laurel Ave., Des Plaines, Ill.
Engleberg Inc 831 W Fayette St Syracuse 4 N Y (Abrasive belt)
Excel—See Covel Mfg Co
Foote-Burt Co 13000 St Clair Ave Cleveland 8 Ohio "Hammond"
Frauenthal Div Kaydon Engrg Corp Muskegon Mich
Gallmeyer & Livingston Co., 346 Straight Ave., Grand Rapids 4, Mich.
Gardner Machine Co., 444 E. Gardner St., Beloit, Wis.
Hammond—See Foote-Burt Co
Hanchett Mfg Co 906 N State St Big Rapids Mich
Harig Mfg Corp 5757 W Howard St Chicago 31 Ill
Heald Machine Co 10 New Bond St Worcester 6 Mass (Internal and rotary)
Hill Acme Co Hill Div 1201 W 65th St Cleveland 2 Ohio (Vertical and horizontal)
Lempco Products Inc 5490 Dunham Rd Bedford Ohio
Mattison Machine Works 545 Blackhawk Park Ave Rockford Ill (Horizontal and vertical spindle)
Micromatic Hone Corp 8100 Schoolcraft Ave Detroit 38 Mich
Norton Co., 1 New Bond St., Worcester 6, Mass.
Parker-Majestic Inc 147 Jos Campau Ave Detroit 7 Mich (Also rotary)
Peterson Machine Tool Inc 6200 Merriam Dr Merriam Kans
Pratt & Whitney Co Charter Oak Blvd West Hartford 1 Conn
Reid Bros. Co., 138 Elliott St., Beverly, Mass.
Rockwell Mfg Co Delta Power Tool Div 400 N Lexington Ave Pittsburgh 8 Pa "Delta-Rockwell"
Standard Electrical Tool Co Mt Hope & River Rd Cincinnati 4 Ohio
Sundstrand Machine Tool Div of Sundstrand Corp Belvidere Ill
Taft-Peirce Mfg Co 32 Mechanic Ave Woonsocket R I (Also rotary and reciprocating)
Thompson Grinder Co., 1534 W. Main St., Springfield, Ohio. (Hydraulic.)
United Engrg & Fdry Co Wilmington Plant P O Box 1108 Wilmington 99 Del "Bridgeport"
United States Electrical Tool Co 3620 Llewelyn St Cincinnati 23 Ohio
Van Norman Automotive Equip Co 3640 Main St Springfield 7 Mass (Horizontal and rotary)
Wean Equipment Corp 22828 Lakeland Blvd Euclid Cleveland 17 Ohio

MACHINES, Grinding (Swing Frame)

Frauenthal Div Kaydon Engrg Corp Muskegon Mich
Grand Haven Brass Fdry 230 N Hopkins St Grand Haven Mich
Mummert-Dixon Co., Philadelphia & Gay Sts., Hanover, Pa.
United States Electrical Tool Co 3620 Llewelyn St Cincinnati 23 Ohio

MACHINES, Grinding (Tap)

Blake Co., Edward, 437 Cherry St., West Newton 65, Mass. (Chamfer and flute.)
Rocket—See Rockford Die & Tool Works
Rockford Die & Tool Works Inc 1816 17th Ave Rockford Ill "Rocket"
Wardwell Mfg Corp 3805 Ridge Ave Cleveland 9 Ohio (Automatic)

MACHINES, GRINDING (Thread)—See Machines, Thread Grinding

MACHINES, Grinding (Tool)

Baldor Electric Co 4351 Duncan Ave St Louis 10 Mo
Black & Decker Mfg Co 629 Pennsylvania Ave Towson 4 Md
Blount Co J G Newton Rd Littleton Mass
Boice-Crane Co 930 W Central Ave Toledo 6 Ohio
Bradford Machine Tool Co 722 Porter St Lansing 5 Mich
Brown & Sharpe Mfg. Co., 235 Promenade St., Providence, R. I.
Cincinnati Electrical Tool Co 300 Mt Hope Ave Cincinnati 4 Ohio
Consolidated Machine Tool Div Farrel-Birmingham Co 565 Blossom Rd Rochester 10 N Y "Sellers"
Continental Machine Co 2345 W Nelson St Chicago 18 Ill
Coolie Grinderlap—See Diamond Tool Co
Covel Mfg. Co., Graham Ave., Benton Harbor, Mich. "Covel," "Excel."
Delta-Rockwell—See Rockwell Mfg Co Delta Power Tool Div
Diamond Tool Co 246 Broadway South Haven Mich "Grinder-Lap" "Coolie Grinderlap" (Carbide)
DoAll Co., 254 N. Laurel Ave., Des Moines, Ill.
Dumor Co 1300 17th St Racine Wis
Econogrind—See Wendt-Sonis Co
Excel—See Covel Mfg Co
Ex-Cello Corp 1200 Oakman Blvd Detroit 32 Mich "XLO" (Carbide)
Foote-Burt Co 13000 St Clair Ave Cleveland 8 Ohio
Gallmeyer & Livingston Co., 346 Straight Ave., Grand Rapids 4, Mich.
Gisholt Machine Co., 1307 E. Washington Ave., Madison, Wis.
Grinder-Lap—See Diamond Tool Co
Hager & Son, E. F., 98-02 217th Lane, Queens Village 9, L. I., N. Y. (Carbide.)
Hammond Machinery Builders, Inc., 1621 Douglas Ave., Kalamazoo 54, Mich.
Hanchett Mfg Co 906 N State St Big Rapids Mich
Heald Machine Co 10 New Bond St Worcester 6 Mass
Hisey-Wolf Machine Co Galvin & Mt Hope Aves Cincinnati 4 Ohio
Landis Tool Co Sixth St Waynesboro Pa
Lapointe Machine Tool Co., 34 Tower St., Hudson, Mass. "Lapointe Hudson."
Lee Co., K. O., Congress at First Ave., S. E., Aberdeen S D
Lippmann Engineering Works Inc 4603 W Mitchell St Milwaukee Wis "Ransom"
McDonough Mfg. Co (Machine Tool Dept.), 1500 Galloway St., Eau Claire, Wis. "Sterling." (Oilstone.)
Mattison Machine Works 545 Blackhawk Park Ave Rockford Ill
Micromatic Hone Corp 8100 Schoolcraft Ave Detroit 38 Mich
Mummert-Dixon Co Philadelphia & Gay Sts Hanover Pa
National Acme Co., 170 E. 131st St., Cleveland 8, Ohio.
Norton Co 1 New Bond St Worcester 6 Mass "Norton Bura-way"
Oliver Instrument Co 1406 E Maumee St Adrian Mich (Carbide)
Peters Tool Co 114 E Scott St Milwaukee 4 Wis
Pratt & Whitney Co Charter Oak Blvd West Hartford 1 Conn
Prosser & Son Thomas Felter Bldg Tenafly N J (For carbide, cast alloys and high speed steel tools)
Ransom—See Lippman Engineering Works Inc
Reuland Electric Co 3001 W Mission Rd Alhambra Calif
Rockwell Mfg Co Delta Power Tool Div 400 N Lexington Ave Pittsburgh 8 Pa "Delta-Rockwell"
Royal Oak Tool & Machine Co 29800 Stephenson Highway Royal Oak Mich
Schauer Mfg Corp 4500 Alpine Ave Rossmoyne Ohio
Sellers—See Consolidated Machine Tool Div
South Bend Lathe Works 425 E Madison St South Bend 22 Ind
Standard Electrical Tool Co Mt Hope & River Rd Cincinnati 4 Ohio
Sterling—See McDonough Mfg. Co. (Machine Tool Dept.)
United States Electrical Tool Co 3620 Llewelyn St Cincinnati 23 Ohio
Valley Electric Co., 4221 Forest Park Blvd., St. Louis, Mo.
Wendt-Sonis Co Tenth & Collier Sts Hannibal Mo "Econogrind"
Wickman Mfg Co 10325 Capitol Ave Oak Park Detroit 37 Mich "Wickman-Neven" (Carbide)
Willey's Carbide Tool Co., 1340 W. Vernor Highway, Detroit 1, Mich.
Wissota Mfg Co 1301 S 3rd St Minneapolis Minn
XLO—See Ex-Cell-O Corp.
Yates-American Machine Co., Beloit, Wis.

MACHINES, Grinding (Universal)

Brown & Sharpe Mfg. Co., 235 Promenade St., Providence, R. I.
Covel Mfg. Co., Graham Ave., Benton Harbor, Mich. "Covel," "Excel."
Excel—See Covel Mfg. Co.
Gallmeyer & Livingston Co., 346 Straight Ave., Grand Rapids 4, Mich. "Grand Rapids."
Grand Rapids—See Gallmeyer & Livingston Co.
Hanchett Mfg 906 N State St Big Rapids Mich
Landis Tool Co Sixth St Waynesboro Pa
Micromatic Hone Corp 8100 Schoolcraft Ave Detroit 38 Mich
Norton Co., 1 New Bond St., Worcester 6, Mass.
Rivett Inc., 20 Riverview Rd Brighton Boston 35 Mass
Royal Oak Tool & Machine Co 29800 Stephenson Highway Royal Oak Mich
Springfield Machine Tool Co 631 Southern Ave W Springfield Ohio

MACHINES, Grinding (Wheelbase)

Heald Machine Co 10 New Bond St Worcester 6 Mass

MACHINES, Grinding & Polishing

Chicago Pneumatic Tool Co 6 E 44th St N Y 17 N Y
Curtis Machine Div Carborundum Co 1300 E Second St Jamestown N Y
Delta-Rockwell—See Rockwell Mfg Co Delta Power Tool Div
Engleberg Inc 831 W Fayette St Syracuse 4 N Y (Abrasive belt)
Excelsior Tool & Machine Co 31st St & Ridge Ave East St Louis Ill
Hammond Machinery Bldrs Inc 1621 Douglas Ave Kalamazoo 54 Mich
Hill Acme Co Hill Div 1201 W 65th St Cleveland 2 Ohio (Abrasive belt)
Mattison Machine Works 545 Blackhawk Park Ave Rockford Ill (Abrasive belt)
Millers Falls Co 57 Wells St Greenfield Mass
Production Machine Co 311 Wells St Greenfield Mass
Rockwell Mfg Co Delta Power Tool Div 400 **N Lexington Ave Pittsburgh 8 Pa "Delta-**Rockwell"

MACHINES, Heat Treating

Cincinnati Milling Machine Co Metal Dynamics Div 4701 Marburg Ave Cincinnati 9 Ohio "Flamatic" "Inductron" (Flame hardening)
Flamatic—See Cincinnati Milling Machine Co
General Electric Co Apparatus Labs Div 1 River Rd Schenectady 5 N Y
Gleason Works 1000 University Ave Rochester 3 N Y (For flame hardening of gears)
Gradiation—See Selas Corp of America
Inductron—See Cincinnati Milling Machine Co
Industrial Washing Machine Corp 32 Main St Matawan N J
Metalwash Machinery Corp 901 North Ave Elizabeth 4 N J
Selas Corp of America Dresher Pa "Gradiation"

MACHINES, Honing (Cylinder)

Ammco Tools Inc 2100 Commonwealth Ave North Chicago Ill
Barnes Co., W. F. & John, 301 S. Water St., Rockford, Ill.

Barnes Drill Co., 826 Chestnut St., Rockford, Ill. "Barnesdril."
Hole Hog—See Moline Tool Co
Hydrohoners—See Micromatic Hone Corp.
Lisle Corp., 809 E. Main St., Clarinda, Iowa.
Microhoners—See Micromatic Hone Corp
Micromatic Hone Corp 8100 Schoolcraft Ave Detroit 38 Mich "Hydrohoners" "Microhoners"
Moline Tool Co 102 20th St Moline Ill "Hole Hog"
Storm-Vulcan Inc 2225 Burbank St Dallas 19 Tex
Sunnen Products Co., 7910 Manchester Ave., St. Louis 17, Mo.
Van Norman Automotive Equip Co 3640 Main St Springfield 7 Mass
Wagner Electric Corp 6400 Plymouth Ave St Louis 33 Mo (Brake)

MACHINES, Honing (Flat Surface)

Micromatic Hone Corp 8100 Schoolcraft Ave Detroit 38 Mich "Microflat"

MACHINES, Honing (Liquid)

Vapor Blast Mfg Co 3025 W Atkinson Ave Milwaukee 16 Wis

MACHINES, Honing (Small Bore)

Ammco Tools, Inc., 2100 Commonwealth Ave., North Chicago, Ill.
Lempco **Products, Inc., 5490 Dunham Rd. Bedford, Ohio.**
Microhoners—See Micromatic Hone Corp
Micromatic Hone Corp 8100 Schoolcraft Ave Detroit 38 Mich "Microhoners"
Reasor Mfg Co 13th & Indiana Ave St Charles Ill
Sunnen Products Co 7910 Manchester Ave St Louis 17 Mo (Piston pin)
Superior Hone Corp 1605 Elreno St Elkhart Ind
Wagner Electric Corp 6400 Plymouth Ave St Louis 33 Mo

MACHINES, INDUCTION HEATING — See Heaters, Induction

MACHINES, JIG GRINDING—See Machines, Grinding (Jig)

MACHINES, Key Cutting

Barber-Colman Co., 265 Loomis St., Rockford, Ill.
Detroit—See F W Stewart Corp
Ilco—See Independent Lock Co.
Independent Lock Co., 49 Daniels St., Fitchburg, Mass. "Ilco."
K R W—See K R Wilson Inc
Stewart Corp F W 4311 N Ravenswood Ave Chicago Ill "Detroit"
Wilson Inc K R Arcade N Y "K R W"

MACHINES, Keyseating

Baker Bros Inc P O Box 101 Sta F Toledo 10 Ohio
Consolidated Machine Tool Div Farrel-Birmingham Co 565 Blossom Rd Rochester 10 N Y "Newton"
Giant—See Mitts & Merrill
Lapointe Machine Tool Co 34 Tower St Hudson Mass "Lapointe Hudson"
Mitts & Merrill 1009 S Water St Saginaw Mich "Giant"
Morton Mfg Co Broadway & Hoyt St Muskegon Heights Mich
Newton—See Consolidated Machine Tool Div

MACHINES, Kneading and Mixing

(Used in manufacture of lead storage battery pastes, battery jars, pyroxylin solutions, emery wheel compositions, molded goods, etc.)

B-P—See Baker Perkins Inc.
Baker Perkins Inc Fraser & Young Sts Saginaw Mich "B-P"
Banbury—See Farrel-Birmingham Co
Farrel-Birmingham Co 97 Main St Ansonia Conn "Banbury" (Rubber and plastic)

MACHINES, Lapping

Barnes Drill Co 826 Chestnut St Rockford Ill "Barnesdril"
Cincinnati Milling Machine Co Grinding Machine Div 4701 Marburg Ave Cincinnati 9 Ohio (Centerless)
Crane Packing Co 6435 Oakton St Morton Grove Ill "Lapmaster"
Crank-O-Lap—See Norton Co
Diesel Control Corp Marine Pump Div of 228 N Marine Ave Wilmington Calif "Spiralap" (Rotary and hand)
Ex-Cello Corp 1200 Oakman Blvd Detroit 32 Mich "XLO" (Center)
Fellows Gear Shaper Co., 78 River St., Springfield, Vt. (Gear.)
Foote-Burt Co 13000 St Clair Ave Cleveland 8 Ohio "Footburt-Schraner"
Gleason Works, 1000 University Ave., Rochester 3, N. Y.
Hyprolap—See Norton Co
Industrial Metal Products Corp 3417 W St Joseph St Lansing 1 Mich (Center)
Lapmaster—See Crane Packing Co.
Michigan Tool Co., 7171 McNichols Rd., E., Detroit 12, Mich. (Gear.)
Micromatic Hone Corp 8100 Schoolcraft Ave Detroit 38 Mich
National Broach & Machine Co., 5600 St. Jean Ave., Detroit 13, Mich. "Red Ring." (Gear.)
Norton Co 1 New Bond St Worcester 6 Mass "Crank-O-Lap" (Crankshaft; "Hyprolap" camshaft cylindrical and flat)
Oliver Instrument Co 1406 E Maumee St Adrian Mich
Red Ring—See National Broach & Machine Co.
Schauer Mfg Corp 4500 Alpine Ave Rossmoyne Ohio
Size Control Co., Div. American Gage & Machine Co., 2500 Washington Blvd., Chicago 12, Ill. (Centerless.)
Spiralap—See Diesel Control Corp
Syntron Co 495 Lexington Ave Homer City Pa
Taft-Peirce Mfg Co 32 Mechanic Ave Woonsocket R I
Wickman Mfg Co 10325 Capitol Ave Oak Park Detroit 37 Mich "Wickman-Neven" (Carbide)

MACHINES, LEAD BURNING—See Burners, Lead

MACHINES, Magnetic Inspection (For Defects)

Magnaflux Corp 7300 W Lawrence Ave Chicago 31 Ill

MACHINES, Marking (For Metal)

Acromark Co., 9-15 Morrell St., Elizabeth 4, N. J.
Cunningham Co M E 1025 Chateau St Pittsburgh 33 Pa
Gorton Machine Co., George, 1121 W. 13th St., Racine, Wis.
Hi-Duty—See Geo. T. Schmidt, Inc.
Markem Machine Co 150 Congress St Keene N H
Martindale Electric Co 1340 Hird Ave Cleveland 7 Ohio
Matthews & Co., Jas. H., 3942 Forbes St., Pittsburgh 13, Pa.
Pannier Corp., 207 Sandusky St., Pittsburgh 12, Pa.
Schmidt, Inc., Geo. T., 4100 Ravenswood Ave., Chicago 13, Ill. "Hi-Duty."
Superior Seal & Stamp Co 1401 Vermont Ave Detroit 16 Mich

MACHINES, Marking (For Plastics)

Acromark Co 9 Morrell St Elizabeth 4 N J
Markem Machine Co 150 Congress St Keene N H

MACHINES, Mechanical Finishing and De-Burring

Almco Queen Products Div King-Seeley Corp 901 E Main St Albert Lea Minn "Almco Supersheen"
Burr-Master—See Modern Industrial Engrg Co
Gravi-i-Flo Corp 400 Norwood Ave Sturgis Mich
Modern Industrial Engrg Co 14230 Birwood Ave Detroit 38 Mich "Burr-Master"
Pines Engrg Co 601 Walnut St Aurora Ill
Ransohoff Inc N Fifth at Ford Blvd Hamilton O
Roto-Finish Co 3700 Milham Rd Kalamazoo Mich "Roto-Finish" "Vibratron"
Vibratron—See Roto-Finish Co

MACHINES, Milling (Automatic)

Cincinnati Milling Machine Co 4701 Marburg Ave Cincinnati 9 Ohio "HyPowermatic"
Consolidated Machine Tool Div Farrel-Birmingham Co 565 Blossom Rd Rochester 10 N Y "Newton"
Davis & Thompson Co 4460 N 124th St Milwaukee 18 Wis "Roto-Matic"
Espen-Lucas Machine Works, Front St. & Girard Ave., Philadelphia 23, Pa.
Fitchburg Engrg Corp Cleghorn St Fitchburg Mass
HyPowermatic—See Cincinnati Milling Machine Co
Kent-Owens Machine Co., 958 Wall St., Toledo 10, Ohio
Michigan Special Machine Co 11449 Timken Ave Warren Mich
Mill-Matic—See Producto Machine Co.
Morris Co Robert E Farmington Ave Farmington Mich "Nichols" (Semi-automatic)
Motch & Merryweather Mchy Co 1250 E 222nd St Cleveland 7 Ohio
New Britain-Gridley Machine Div., New Britain Machine Co., South St., New Britain, Conn.
Newton—See Consolidated Machine Tool Div
Nichols—See Robert E Morris Co
Onsrud Machine Works Inc Machine Tool Div 7720 N Lehigh Ave Niles 48 Ill (Nonferrous)
Producto Machine Co., 990 Housatonic Ave., Bridgeport 1, Conn. "Producto," "Mill-Matic"
Rotex Punch Co 2350 Alvardo St San Leandro Calif
Roto-Matic—See Davis & Thompson Co
Snyder Corp 3400 E Lafayette Ave Detroit 7 Mich
Sundstrand Machine Tool Co Div of Sundstrand Corp Belvidere Ill
U S-Burke Machine Tool Div Cincinnati Mfg Corp Brotherton Rd Cincinnati 27 Ohio (Semi-automatic)
U S Tool Co 255 N 18th St Ampere (East Orange) N J

MACHINES, Milling (Bench)

Benchmaster Mfg Co 1825 W Rosecrans Ave Gardena Calif
Burke—See U. S.-Burke Machine Tool Div
Rotex Punch Co 2350 Alvardo St San Leandro Calif
U. S.-Burke Machine Tool Div Cincinnati Mfg Corp Brotherton Rd Cincinnati 27 Ohio "Burke"

MACHINES, Milling (Continuous)

Consolidated Machine Tool Div Farrel-Birmingham Co 565 Blossom Rd Rochester 10 N Y "Newton"
Davis & Thompson Co 4460 N 124th St Milwaukee 18 Wis "Roto-Matic"
Espen-Lucas Machine Works, Front St. & Girard Ave., Philadelphia 23, Pa.
Newton—See Consolidated Machine Tool Div
Pellow Machine Co 3500 Foley Ave Detroit 27 Mich
Rigidmil—See Sundstrand Machine Tool Div.
Roto-Matic—See Davis & Thompson Co
Sundstrand Machine Tool Div of Sundstrand Corp Belvidere Ill "Rigidmil" (Circular)

MACHINES, Milling (Cylinder Head)

Storm-Vulcan Inc 225 Burbank St Dallas 19 Tex

MACHINES, Milling (Duplex)

Cincinnati Milling Machine Co Special Machine Div 4701 Marburg Ave Cincinnati 9 Ohio
Consolidated Machine Tool Div Farrel-Birmingham Co 565 Blossom Rd Rochester 10 N Y "Newton"
Espen-Lucas Machine Works, Front St. & Girard Ave., Philadelphia 23, Pa.
Frew Machine Co., 125 E. Luray St., Philadelphia 20, Pa.
Morris Co Robert E Farmington Ave Farmington Conn "Nichols"
Motch & Merryweather Mchy Co 1250 E 222nd St Cleveland 7 Ohio
Newton—See Consolidated Machine Tool Div
Nichols—See Robert E Morris Co
Rigidmil—See Sundstrand Machine Tool Div
Sundstrand Machine Tool Div of Sundstrand Corp Belvidere Ill "Rigidmil"

MACHINES, Milling (Hand)

Burke—See U S-Burke Machine Tool Co
Frew Machine Co., 125 E. Luray St., Philadelphia 20, Pa.
Kent-Owens Machine Co., 958 Wall St., Toledo 10, Ohio.
Morris Co Robert E Farmington Ave Farmington Conn "Nichols"
Nichols—See Robert E Morris Co
Rouse & Co., H. B., 2214 N. Wayne Ave., Chicago 14 Ill
U S-Burke Machine Tool Div Cincinnati Mfg Corp Brotherton Rd Cincinnati 27 Ohio "Burke" & "U. S."

MACHINES, Milling (Horizontal)

(See also Machines, Boring, Drilling and Milling [Horizontal])

Benchmaster Mfg Co 1835 W Rosecrans Ave Gardena Calif
Brown & Sharpe Mfg. Co., 235 Promenade St., Providence, R. I.
Cincinnati Milling Machine Co 4701 Marburg Ave Cincinnati 9 Ohio "Dial Type"
Consolidated Machine Tool Div Farrel-Birmingham Co 565 Blossom Rd Rochester 10 N Y "Newton"
Crowningshield Inc 71 Country Club Greenfield Mass (Hand toolroom power feed and air)
Davis & Thompson Co 4460 N 124th St Milwaukee 10 Wis "Roto-Matic"
Dial Type—See Cincinnati Milling Machine Co
Diamond Machine Tool Co 5111 Coffman-Pico Rd Pico Calif
Espen-Lucas Machine Works, Front St. & Girard Ave., Philadelphia 23, Pa.
Fitchburg Engrg Corp Cleghorn St Fitchburg Mass
Gorton Machine Co., George, 1131 W. 13th St., Racine, Wis.
Greaves Machine Tool Div of J A Fay & Egan Co Eastern Ave & Hazen St Cincinnati 2 Ohio (Plain and universal)
Index Machine & Tool Co., 543 N. Mechanic St., Jackson, Mich.
Kearney & Trecker Corp 6800 W National Ave Milwaukee 14 Wis "Kearney & Trecker-Milwaukee"
Kempsmith Machine Co 1819 S 71st St West Allis 14 Wis "Maximiller" & "Kempsmith" (Plain and universal)
Maximiller—See Kempsmith Machine Co.
Millholland Machinery Co W K 6402 Westfield Blvd Indianapolis 20 Ind
Morton Mfg. Co., Broadway & Hoyt St., Muskegon Heights, Mich.
Newton—See Consolidated Machine Tool Div
Pratt & Whitney Co Charter Oak Blvd West Hartford 1 Conn
Rehnberg-Jacobson Mfg. Co., 2135 Kishwaukee St., Rockford, Ill.
Rigidmil—See Sundstrand Machine Tool Div
Roto-Matic—See Davis & Thompson Co
Sheldon Machine Co., 4240 N. Knox Ave., Chicago 41, Ill.
Sundstrand Machine Tool Div of Sundstrand Corp Belvidere Ill "Rigidmil"
Van Norman Machine Co 3640 Main St Springfield 7 Mass
Wardwell Mfg Corp 3805 Ridge Ave Cleveland 9 Ohio

MACHINES, Milling (Planer Type)

Cincinnati Milling Machine Co., Marburg Ave., Cincinnati 9, Ohio.
Consolidated Machine Tool Div Farrel-Birmingham Co 565 Blossom Rd Rochester 10 N Y "Newton"
D & T—See Davis & Thompson Co.
Davis & Thompson Co 4460 N 124th St Milwaukee 10 Wis "Roto-Matic" "D & T"
Fitchburg Engrg Corp Cleghorn St Fitchburg Mass
Giddings & Lewis Machine Co Fond du Lac Wis Fond du Lac Wis
Gray Co., G. A., 3611 Woodburn Ave., Cincinnati, Ohio.
Newton—See Consolidated Machine Tool Div
Roto-Matic—See Davis & Thompson Co.
Simplex Machine Tool Corp 4548 W Mitchell St Milwaukee 46 Wis

MACHINES, Milling (Rotary)

Cincinnati Milling Machine Co 4701 Marburg Ave Cincinnati Ohio
Consolidated Machine Tool Div Farrel-Birmingham Co 565 Blossom Rd Rochester 10 N Y "Newton" (Continuous)
D & T—See Davis & Thompson Co.
Davis & Thompson Co 4460 N 124th St Milwaukee 10 Wis "D & T" "Roto-Matic"
Fitchburg Engrg Corp Cleghorn St Fitchburg Mass
Kearney & Trecker Corp 6800 W National Ave Milwaukee 14 Wis "Kearney & Trecker-Milwaukee"
Newton—See Consolidated Machine Tool Div
Roto-Matic—See Davis & Thompson Co.
Swift Ohio Corp 17325 Lamont St Detroit 12 Mich

MACHINES, Milling (Spline)

Consolidated Machine Tool Div Farrel-Birmingham Co 565 Blossom Rd Rochester 10 N Y "Newton"
Frew Machine Co., 125 E. Luray St., Philadelphia 20, Pa.
Lees-Bradner Co., Elmwood Ave. & W. 121st St., Cleveland 11, Ohio.
Newton—See Consolidated Machine Tool Div

MACHINES, Milling (Thread)

HW—See Hanson-Whitney Co
Hall Planetary Co of Philadelphia 5561 Baynton St Philadelphia 44 Pa (Planetary)
Hanson-Whitney Co 169 Bartholomew Ave Hartford 2 Conn "HW"
Lees-Bradner Co., Elmwood Ave. & W. 121st St., Cleveland 11, Ohio.
Plan-O-Mill Corp 2105 National Bank Bldg Detroit 26 Mich (Planetary)
Pratt & Whitney Co Charter Oak Blvd West Hartford 1 Conn
Snyder Corp 3400 E Lafayette Ave Detroit 7 Mich
Sundstrand Machine Tool Div of Sundstrand Corp Belvidere Ill
Waltham Machine Works Inc 296 Newton St Waltham Mass
Wickes Machine Tool Div Wickes Corp 515 N Washington Ave Saginaw Mich

MACHINES, Milling (Universal)

Brown & Sharpe Mfg. Co., 235 Promenade St., Providence, R. I.
Cincinnati Milling Machine Co 4701 Marburg Ave Cincinnati 9 Ohio "Dial Type"
Consolidated Machine Tool Div Farrel-Birmingham Co 565 Blossom Rd Rochester 10 N Y "Newton"
Dial Type—See Cincinnati Milling Machine Co
Gorton Machine Co., George, 1131 W. 13th St., Racine, Wis.
Hardinge Bros Inc 1418 College Ave Elmira N Y
Kearney & Trecker Corp 6800 W National Ave Milwaukee 14 Wis "Kearney & Trecker-Milwaukee"
Newton—See Consolidated Machine Tool Div
Sundstrand Machine Tool Div of Sundstrand Corp Belvidere Ill
US-Burke Machine Tool Div Cincinnati Mfg Corp Brotherton Rd Cincinnati 27 Ohio "US"
Van Norman Machine Co 3640 Main St Springfield 7 Mass

MACHINES, Milling (Vertical)

Adams Engrg Co 31711 Solon Rd Solon Ohio
Atlas Press Co 1842 N Pitcher St Kalamazoo 13D Mich "Atlas" "Clausing"
Barnes Co W F & John 301 S Water St Rockford Ill
Benchmaster Mfg Co 1835 W Rosecrans Ave Gardena Calif
Brown & Sharpe Mfg. Co., 235 Promenade St., Providence, R. I.
Cincinnati Milling Machine Co 4701 Marburg Ave Cincinnati 9 Ohio "Dial Type" "Hydro-tel" "Toolmaster"
Cincinnati Planer Co., 3120 Forrer St. (Oakley), Cincinnati, Ohio.
Clausing—See Atlas Press Co
Consolidated Machine Tool Div Farrel-Birmingham Co 565 Blossom Rd Rochester 10 N Y "Newton"
Crowningshield Inc 71 Country Club Greenfield Mass (Hand toolroom rackfeed, production and air feed)
D & T—See Davis & Thompson Co.
Davis & Thompson Co 4460 N 124th St Milwaukee 10 Wis "D & T" "Roto-Matic"
Dial Type—See Cincinnati Milling Machine Co
Diamond Machine Tool Co 5111 Coffman-Pico Rd Pico Calif
Duff Machine Co 21 Wingate St Haverhill Mass
Ecco—See Ekstrom, Carlson & Co.
Ekstrom Carlson & Co 1400 Railroad Ave Rockford Ill "Ecco"
Espen-Lucas Machine Works Front St & Girard Ave Philadelphia 23 Pa
Famco Machine Co 3100 Sheridan Rd Kenosha Wis
Fitchburg Engrg Corp Cleghorn St Fitchburg Mass
Gorton Machine Co., George, 1131 W. 13th St., Racine, Wis.
Hartford Special Machinery Co 287 Homestead Ave Hartford 12 Conn
Hydro-tel—See Cincinnati Milling Machine Co
Index Machine & Tool Co., 543 N. Mechanic St., Jackson, Mich.
Kearney & Trecker Corp 6800 W National Ave Milwaukee 14 Wis "Kearney & Trecker-Milwaukee"
Kent-Owens Machine Co., 958 Wall St., Toledo 10, Ohio.
Knight Machinery Co., W. B., 3920 W. Pine St., St. Louis 8, Mo.
Morton Mfg Co Broadway & Hoyt St Muskegon Heights Mich
Newton—See Consolidated Machine Tool Div
Pratt & Whitney Co Charter Oak Blvd West Hartford 1 Conn
Reed-Prentice Corp 677 Cambridge St Worcester 4 Mass
Rigidmil—See Sundstrand Machine Tool Div
Roto-Matic—See Davis & Thompson Co.
Snyder Corp 3400 E Lafayette Ave Detroit 7 Mich
South Bend Lathe Works 425 E Madison St South Bend 22 Ind
Sundstrand Machine Tool Div of Sundstrand Corp Belvidere Ill "Rigidmil"
Toolmaster—See Cincinnati Milling Machine Co
U S-Burke Machine Tool Div Cincinnati Mfg Corp Brotherton Rd Cincinnati 27 Ohio "US"

MACHINES, Milling and Centering (Automatic)

Centrmil—See Sundstrand Machine Tool Div
Davis & Thompson Co 4460 N 124th St Milwaukee 10 Wis
Jones & Lamson Machine Co 523 Clinton St Springfield Vt
Motch & Merryweather Mchy Co 1250 E 222nd St Cleveland 7 Ohio
Sundstrand Machine Tool Div of Sundstrand Corp Belvidere Ill "Centrmil"

MACHINES, Molding, Metal (Foundry)

International Molding Machine Co., 1201 N. Barnsdale Ave., La Grange Park, Ill.
Milwaukee Foundry Equipment Div of Spo Inc 3238 W Pierce St Milwaukee Wis
Nicholls Co., Wm. H., Richmond Hill 18, L. I., N. Y.
Osborn Mfg. Co., 5401 Hamilton Ave., N. E., Cleveland 14, Ohio.
Tabor Mfg Co Div of Turbo Machine Co 840 W Main St Lansdale Pa

MACHINES, MOLDING (PLASTIC) — See Presses, Plastic Molding

MACHINES, Numbering, for Metal (Automatic)

Acromark Co., 9 Morrell St., Elizabeth 4, N. J.
Hi-Duty—See Geo. T. Schmidt, Inc.
Numberall Stamp & Tool Co Huguenot Park S I 12 N Y
Schmidt, Inc., Geo. T., 4100 Ravenswood Ave., Chicago 13, Ill. "Hi-Duty."

MACHINES, Oil Grooving

Fischer Machine Co., 310 N. 11th St., Philadelphia 7, Pa.
Storm-Vulcan Inc 2225 Burbank St Dallas 19 Tex (Connecting rod, hand operated)
Wicaco Machine Corp 4801 Stenton Ave Philadelphia 44 Pa

MACHINES, Painting

(See also Sprayers, Paint, Varnish and Lacquer)

Binks Mfg Co 3120 Carroll Ave Chicago 12 Ill (Spray)
Cincinnati Cleaning & Finishing Machinery Co 317 Hecla St Ironton Ohio
Conforming Matrix Co Toledo Factories Bldg Toledo 2 Ohio (Spray)
DeVilbiss Co 300 Phillips Ave Toledo 1 Ohio (Spray)
De Vilbiss Metal Fabricators Co 17900 Ryan Rd Detroit 12 Mich (Spray)
Ransburg Electro-Coating Corp., 1234 Barth Ave., Indianapolis 7, Ind. (Electrostatic spray and electrostatic detearing units; licensors.)

MACHINES, Pantograph

Gorton Machine Co George 1131 W 13th St Racine Wis

MACHINES, Pickling

Circo Equipment Co 120 Central Ave Clark N J
Fosbond—See Pennsalt Chemicals Corp
Lindberg Engrg Co 2476 W Hubbard St Chicago 12 Ill
Mahon R C 6565 E 8 Mile Rd Detroit 34 Mich
Meaker Co 1629 S 55th Ave Chicago 50 Ill
Mesta Machine Co., Box 1466, Pittsburgh 30, Pa.
Metalwash Machinery Corp 901 North Ave Elizabeth 4 N J
Pennsalt Chemicals Corp 3 Penn Center Philadelphia 2 Pa "Fosbond"
Ransohoff Inc N 5th St at Ford Blvd Hamilton Ohio
Stevens Inc Frederic B 1800 18th St Detroit 16 Mich

MACHINES, Piston Boring (Automatic)

Ex-Cello Corp 1200 Oakman Blvd Detroit 32 Mich "XLO"

MACHINES, Piston Center Drilling and Facing

Snyder Corp 3400 E Lafayette Ave Detroit 7 Mich

MACHINES, Piston Making

La Salle Machine Tool Inc 3840 E Outer Dr Detroit 34 Mich (Automated)

MACHINES, PISTON PIN BUSHING BORING —See Machines, Boring (Piston Pin Bushing)

MACHINES, PISTON RING GRINDING—See Machines, Grinding (Piston Ring)

MACHINES, Piston Turning and Grinding

Cedar Rapids Engineering Co 902 17th St NE Cedar Rapids Iowa "Kwik-Way"
Cincinnati Milling Machine Co Grinding Machine Div 4701 Marburg Ave Cincinnati 9 Ohio (Automatic grinding)
Kwik-Way—See Cedar Rapids Engineering Co.
Landis Tool Co Sixth St Waynesboro Pa (Grinding)
Norton Co 1 New Bond St Worcester 6 Mass (Grinding)
Storm-Vulcan Inc 2225 Burbank St Dallas 19 Tex
Van Norman Automotive Equip Co 3640 Main St Springfield 7 Mass

MACHINES, Plating

(Including machines, generators, tanks and supplies)

Allied Research Products Inc 4004 E Monument St Baltimore 5 Md "Wagner" (Also rectifiers and tanks)
Chromaster—See Ward Leonard Electric Co
Columbia Electric Mfg Co 4519 Hamilton Ave Cleveland 14 Ohio (Generators)
Crown Rheostat & Supply Co 1965 Pratt Blvd Elk Grove Village Ill
Djeco Div of Djordjevic Engrg Co 1933 N Damem St Chicago 47 Ill (Rectifiers; also automatic controlled AC and DC power supplies)
G-E—See General Electric Co
General Electric Co Apparatus Sales Div 1 River Rd Schenectady 5 N Y "G-E" (Generators and rectifiers)
Hanson-Van Winkle-Munning Co Matawan N J "H-VW-M" (Generators rectifiers barrels and tanks)
Lifetime—See Niles Steel Tank Co.
Meaker Co., 1629 S. 55th Ave., Chicago 50, Ill.
Metal & Thermit Corp Rahway N J
Niles Steel Tank Co., Niles, Mich. "Lifetime." (Tanks.)
Phillips Mfg Co 3475 Touhy Ave Chicago 45 Ill (Tanks)
Ransohoff Inc N 5th St at Ford Blvd Hamilton Ohio
Stevens Inc Frederic B 1800 18th St Detroit 16 Mich (Automatic; also plating tanks)
Udysil—See Udylite Corp
Udylite Corp 1651 E Grand Blvd Detroit 11 Mich "Udylite" "Udysil" silicon rectifier)
Wagner—See Allied Research Products Inc
Ward Leonard Electric Co 37 South St Mt Vernon N Y "Chromaster" (Chrome)

MACHINES, POWDERED METAL — See Presses, Powdered Metal

MACHINES, Pressure and Vacuum Testing

(For detecting leaks in castings, assemblies, oil pumps, fuel tanks, etc.

Barnes Co W F & John 301 S Water St Rockford Ill
General Electric Co Apparatus Sales Div 1 River Rd Schenectady 5 N Y
Gits Bros Mfg Co 1846 S Kilbourn Ave Chicago 23 Ill (Vacuum)
Logemann Bros Co 3112 W Burleigh St Milwaukee 45 Wis (Pressure)
Moore Products Co H & Lycoming Sts Philadelphia 24 Pa
NRC Equipment Corp 160 Charlemont St Newton 61 Mass (Vacuum)
Nankervis Co George L 15300 Fullerton St Detroit 27 Mich
RCA Arlin—See Radio Corp of America
Radio Corp of America Detroit Industrial Products 13541 Auburn Ave Detroit 23 Mich "RCA Arlin"
Whittington Pump & Engrg Corp 1126 Prospect St Indianapolis 3 Ind

MACHINES, Processing (Sheet Metal)

McKay Machine Co 825 W Federal St Youngstown Ohio

MACHINES, Profiling

Baker Bros Inc P O Box 101 Sta F Toledo 10 Ohio (Grinding)
Boyar-Schultz Corp 2000 S 25th Ave Broadview Ill (Grinding)
Cincinnati Milling Machine Co 4701 Marburg Ave Cincinnati 9 Ohio "Hydro-Tel" (Milling); "Projecto-Form" (Grinding)
Douglas Tool Co 2300 E Nine Mile Rd Hazel Park Mich (Milling)
Ex-Cell-O Corp 1200 Oakman Blvd Detroit 32 Mich "XLO" (Grinding, milling and polishing)
Frauenthal Div Kaydon Engrg Corp Muskegon Mich (Grinding)
Frew Machine Co., 125 E. Luray St., Philadelphia 20, Pa.
Giddings & Lewis Machine Tool Co Fond du Lac Div Fond du Lac Wis
Gorton Machine Co., George, 1131 W. 13th St., Racine, Wis.
Hydro-Tel—See Cincinnati Milling Machine Co
Kindt-Collins Co 12651 Elmwood Ave Cleveland 11 Ohio "Master" (Grinding)
Master—See Kindt-Collins Co
Morton Mfg Co Broadway & Hoyt St Muskegon Heights Mich
Onsrud Machine Works Inc Machine Tool Div 7720 N Lehigh Ave Niles 48 Ill
Pratt & Whitney Co Charter Oak Blvd West Hartford 1 Conn (Milling)
Projecto-Form—See Cincinnati Milling Machine Co
Rice Pump & Machine Co 600 Park St Belgium Wis "Rice Milwaukee"
Sheffield Corp 721 Springfield St Dayton 1 Ohio (Grinding and milling)
Wade Tool Co 49 River St Waltham 54 Mass (Milling)
Wickes Machine Tool Div Wickes Corp 515 N Washington Ave Saginaw Mich
Wickman Mfg Co 10325 Capitol Ave Oak Park Detroit 37 Mich (Milling)
XLO—See Ex-Cell-O Corp

MACHINES, Punching

Allen Industries Alva Clinton Mo (Bench type)
Bath Co Cyril 32400 Aurora Rd Solon Ohio
Benchmaster Mfg Co 1835 W Rosecrans Ave Gardena Calif
Bliss Co E W 1375 Raff St S W Canton Ohio
CP—See Chicago Pneumatic Tool Co
Chicago Pneumatic Tool Co 6 E 44th St N Y 17 N Y "CP" (Hydraulic)
Clearing Div of U S Industries Inc 6499 W 65th St Chicago 38 Ill
Cleveland Punch & Shear Works Co., 3917 St. Clair Ave., Cleveland, Ohio.
Danly Machine Specialties Inc 2100 S Laramie Ave Chicago 50 Ill
Decherts Machine Shop Inc 713 W Main St Palmyra Pa "Zeh & Hahnemann"
Diamond Machine Tool Co 5111 Coffman-Pico Rd Pico Calif
Di-Acro—See O'Neil-Irwin Mfg. Co.
Emhart Mfg Co Hudson Div Union Turnpike Hudson N Y "V & O"
Excelsior Tool & Machine Co., 31st St. & Ridge Ave., East St. Louis, Ill.
Federal Machine & Welder Co 1745 Overland Ave Warren Ohio
Ferracute Machine Co., 429 E. Commerce St., Bridgeton, N J
Hannifin Co 543 S Wolf Rd Des Plaines Ill "Hy-Power" (Hydraulic)
Heavy Machine Div., Cleveland Crane & Engineering Co., 5867 E. 289 St., Wickliffe, Ohio. "Steelweld."
Hendley & Whittemore Co Box 959 Beloit Wis
Henry & Wright Div of Emhart Mfg Co 760 Windsor St Hartford 1 Conn
Hy-Power—See Hannifin Co
Kenco Mfg Co 5211 Telegraph Rd Los Angeles 22 Calif
Kling Bros Engrg Wks 1320 N Kostner Ave Chicago 51 Ill
L & J Press Corp, Elkhart, Ind.
Minster Machine Co 240 W 5th St Minster Ohio
Niagara Machine & Tool Works, 683 Northland Ave., Buffalo 11, N. Y.
O'Neil-Irwin Mfg Co 514 Eighth Ave Lake City Minn "Di-Acro"
P.P.P.—See Perkins Machine Co.
Peck, Stow & Wilcox Co., 217 Center St., Southington, Conn. "Pexto."
Perkins Machine Co., 12 Perkins Ave., Warren, Mass. "P.P.P."
Pexto—See Peck, Stow & Wilcox Co.
Richards Co J A 903 N Pitcher St Kalamazoo Mich
Rotex Punch Co 2350 Alvardo St San Leandro Calif
Rousselle—See Service Machine Co.
Service Machine Co 2310 W 78th St Chicago 20 Ill "Rousselle"
Steelweld—See Heavy Machine Div., Cleveland Crane & Engineering Co.
Taylor-Winfield Corp 1052 Mahoning Ave NW Warren Ohio
V & O—See Emhart Mfg Co Hudson Div
Verson Allsteel Press Co., 93rd St. & Kenwood Ave., Chicago, Ill.
Wales-Strippit Inc Akron N Y
Walsh Press & Die Div of American Gage & Machinery Co 4709 W Kinzie St Chicago 44 Ill
Whitney Metal Tool Co., 190 Forbes St., Rockford, Ill. "Whitney-Jensen."
Wiedemann Machine Co Gulph Rd King of Prussia Pa (Turret)
Zeh & Hahnemann—See Decherts Machine Shop Inc

MACHINES, Quenching

Blakeslee & Co G S 1844 S Laramie Ave Cicero 50 Ill
EF—See Electric Furnace Co
Electric Furnace Co 539 Wilson Ave Salem Ohio "EF" "Elfurno"
Elfurno—See Electric Furnace Co
Gleason Works 1000 University Ave Rochester 3 N Y
Simplicity Engrg Co Durand 1 Mich
Urschel Engrg Co Troupe St & Urschel Drive Bowling Green Ohio

MACHINES, Riveting (Metal)

Airflex—See Lemert Engrg Co
Boyer—See Chicago Pneumatic Tool Co.
Chicago Pneumatic Tool Co., 6 E. 44th St., New York, N. Y "Boyer." (Portable pneumatic; also hydraulic)
Chicago Rivet & Machine Co 950 S 25th Ave Bellwood Ill (Chicago Suburb)
Danly Machine Specialties Inc 2100 S Laramie Ave Chicago 50 Ill
Erco—See Nuclear Products Erco Div of ACF Industries Inc
Flexible Power—See General Mfg Co
General Mfg Co 6432 Farnsworth Ave Detroit 11 Mich "Flexible Power"
Grant Mfg. & Machine Co., 90 Silliman Ave., Bridgeport 5, Conn.
H-P-M—See Hydraulic Press Mfg. Co.
Hanna Engineering Works 1765 Elston Ave Chicago 22 Ill "Shepard" (Pneumatic)
Hannifin Corp 543 S Wolf Rd Des Plaines Ill "Hy-Power" (Hydraulic)
High Speed Hammer Co 313 Norton St Rochester 21 N Y
Hill Machine Co 1301 Eddy Ave Rockford Ill (Pneumatic)
Hydraulic Press Mfg. Co., Mount Gilead, Ohio. "H-P-M."
Hy-Power—See Hannifin Corp
Ingersoll-Rand Co 11 Broadway New York 4 N Y
Lemert Engrg Co 1313 Western Ave Plymouth Ind "Airflex"
Lempco Products, Inc., 5727 Dunham Rd., Bedford, Ohio.
Milford Rivet & Machine Co Post Rd Milford Conn
National Rivet & Mfg Co Waupun Wis
Nuclear Products-Erco Div of ACF Industries Inc Riverdale Md "Erco"
Nugier Co F A 1748 Berkeley St Santa Monica Calif (Ring gear)
PB—See Power Brake Parts Mfg Co
Power Brake Parts Mfg Co 3435 S Racine Ave Chicago 8 Ill "PB" (Pneumatic)
Rivitor—See Tomkins-Johnson Co.
Shepard—See Hanna Engrg Works
Thomson Mfg Co Judson L Sawyer Rd Waltham Mass
Thor Power Tool Co 175 State St Aurora Ill (Portable pneumatic)
Tomkins-Johnson Co 2425 W Michigan Ave Jackson Mich "Rivitor"
Townsend Co Engineered Fasteners Div P O Box 70 Ellwood City Pa
Tubular Rivet & Stud Co Weston Ave Quincy 70 Mass
United Shoe Machinery Corp 140 Federal St Boston 7 Mass

MACHINES, Roll Forming

Federal Machine & Welder Co 1745 Overland Ave Warren Ohio

MACHINES, Rolling (Strip)

Kane & Roach, Niagara & Shonnard Sts., Syracuse, N. Y.
Waterbury Farrel Fdry & Machine Co Div of Textron Inc 453 Bank St Waterbury 20 Conn

MACHINES, Routing

Richards Co J A 903 N Pitcher St Kalamazoo Mich "MultiForm" (For magnesium and aluminum match plates)
Sundstrand Machine Tool Div of Sundstrand Corp Belvidere Ill

MACHINES, Rust Proofing

Drying Systems Co 1810½ Foster Ave Chicago 40 Ill "Dry-Sys"
Dry-Sys—See Drying Systems Co
Mahon Co R C 6565 E 8 Mile Rd Detroit 34 Mich
Ransohoff Inc N 5th St at Ford Blvd Hamilton Ohio

MACHINES, Sanding (Metal)

Boice-Crane Co., 930 W. Central Ave., Toledo 6, Ohio.
Curtis Machine Div Carborundum Co 1300 E Second St Jamestown N Y
Kindt-Collins Co 12651 Elmwood Ave Cleveland 11 "Master"
Master—See Kindt-Collins Co
Production Machine Co., 311 Wells St., Greenfield, Mass.

MACHINES, SANDING (PORTABLE)—See Sanders, Portable

MACHINES, Sanding (Wood)

Atlas Press Co 1842 N Pitcher St Kalamazoo Mich
Beach Mfg. Co., Mill & High Sts., Montrose, Pa. "Heath."
Boice-Crane Co., 930 W. Central Ave., Toledo 6, Ohio
Kindt-Collins Co., 12651 Elmwood Ave., Cleveland 11, Ohio. "Master." (Spindle.)
Master—See Kindt-Collins Co.
Porter-Cable Machine Co., 1800 Salina St., Syracuse 8, N. Y.
Production Machine Co., Greenfield, Mass.
Wysong & Miles Co., 625 Fulton St., Greensboro, N. C.

MACHINES, Sawing (Band)

Boice-Crane Co., 930 W. Central Ave., Toledo 6, Ohio.
Colladay Machine Works, 125 E. Luray St., Philadelphia 20, Pa.
Delta-Rockwell—See Rockwell Mfg Co Delta Power Tool Div
Do All Co 254 N Laurel Ave Des Plaines Ill "Do All Zephyr" (Contour)
Famco Machine Co 3100 Sheridan Rd Kenosha Wis
Grob Inc Crafton Wis
Johnson Mfg Co 1013 Barnes St Albion Mich
Jones Superior Machine Co 2820 W Grand Ave Chicago 12 Ill "Superior"
Laidlaw, Inc., Wm., 7 Greenwich St., Belmont, N. Y.
Milband—See Henry S Thompson & Son Co
Moak Machine & Tool Co., 2547 Connor St. Port Huron, Mich.
Peerless Machine Co 1600 Junction Ave Racine Wis
Porter Machinery Co., C. O., 666 Front Ave., N. W., Grand Rapids, Mich.
Rockwell Mfg Co Delta Power Tool Div 400 N Lexington Ave Pittsburgh 8 Pa "Delta-Rockwell"
Superior—See Jones Superior Machine Co
Tannewitz Works 315 Front Ave N W Grand Rapids 2 Mich
Thompson & Son Henry S 277 Chapel St New Haven 5 Conn "Milband"
Walker-Turner Div Rockwell Mfg Co 400 N Lexington Ave Pittsburgh 8 Pa
Wallace & Co J D 800 N Detroit St Warsaw Ind
Wells Mfg. Corp., E. on Highway M-60, Three Rivers, Mich.
Yates-American Machine Co., Beloit, Wis.

MACHINES, Sawing (Circular)

Beach Mfg. Co., Mill & High Sts., Montrose, Pa.
Boice-Crane Co., 930 W. Central Ave., Toledo 6, Ohio.
Delta-Rockwell—See Rockwell Mfg Co
De Walt Inc Fountain Ave Lancaster Pa
Electromatic—See J A Richards Co
Espen-Lucas Machine Works, Front St. & Girard Ave., Philadelphia 23, Pa.
Greenlee Bros & Co 1702 Mason Ave Rockford Ill
Hermance Machine Co., 178 Campbell St., Williamsport 19, Pa
Jones Superior Machine Co 2820 W Grand Ave Chicago 12 Ill "Superior"
Kling Bros Engrg Works 1320 N Kostner Ave Chicago 51 Ill
Loma Machine Mfg Co 114 E 32nd St New York 16 N Y
Moak Machine & Tool Co., 2547 Connor St., Port Huron, Mich.
Motch & Merryweather Mchy Co 1250 E 222nd St Cleveland 7 Ohio
Power & Co., L., 2810 Oakford St., Philadelphia 46, Pa.
Richards Co J A 903 N Pitcher St Kalamazoo Mich "Electromatic"
Rockwell Mfg Co Delta Power Tool Div 400 N Lexington Ave Pittsburgh 8 Pa "Delta-Rockwell"
Superior—See Jones Superior Machine Co
Tannewitz Works 315 Front Ave N W Grand Rapids 2 Mich
Ty-Sa-Man Mchry Co 1006 White Ave Knoxville 1 Tenn
Yates-American Machine Co., Beloit, Wis.

MACHINES, Sawing (Die)

Richards Co J A 903 N Pitcher St Kalamazoo Mich "Electromatic"

MACHINES, Sawing (Power Hack)

Champion Blower & Forge Co., Harrisburg Ave. & Charlotte St., Lancaster, Pa.
Covel Mfg. Co., Graham Ave., Benton Harbor, Mich. "Excel."
Excel—See Covel Mfg. Co.
Keller—See Sales Service Machine Tool Co
Maquoketa Co Clinton Iowa "Sawmore"
Peerless Machine Co., 1600 Junction Ave., Racine, Wis.
Racine Hydraulics & Machinery Inc 2000 Albert St Racine Wis
S-L—See St. Louis Tool Co
St Louis Tool Co 6100 Prescott St St Louis 15 Mo "S-L"
Sales Service Machine Tool Co 2363 University Ave St Paul 14 Minn "Keller"
Sawmore—See Maquoketa Co.

MACHINES, Sawing (Swing)

Colladay Machine Works, 125 E. Luray St., Philadelphia 20, Pa.
De Walt Inc Fountain Ave Lancaster Pa
Moak Machine & Tool Co., 2547 Connor St., Port Huron, Mich.

MACHINES, Sawing and Filing

Boice-Crane Co 930 W Central Ave Toledo 6 Ohio
Do All Co., 254 N. Laurel Ave., Des Plaines, Ill. (Contour)
Oliver Instrument Co 1406 E Maumee St Adrian Mich
Tannewitz Works 315 Front Ave N W Grand Rapids 2 Mich

MACHINES, Screw (Automatic)

Acme-Gridley—See National Acme Co
Brown & Sharpe Mfg Co 235 Promenade St Providence R I
Cleveland Automatic Machine Co 4932 Beech St Norwood Cincinnati 12 Ohio
Cone Automatic Machine Co., Windsor, Vt. "Conomatic."
Conomatic—See Cone Automatic Machine Co.
Davenport Machine Tool Co., 167 Ames St., Rochester 11, N. Y.
Detroit Screwmaster—See Gear Grinding Machine Co
Gear Grinding Machine Co 3901 Christoper Ave Detroit 11 Mich "Detroit Screwmaster"
Greenlee Bros & Co 1702 Mason Ave Rockford Ill
National Acme Co., 170 E. 131st St., Cleveland 8, Ohio. "Acme-Gridley."
New Britain Machine Co New Britain-Gridley Machine Div New Britain Conn
Porter-McLeod Machine Tool Co Prospect St Hatfield Mass
Warner & Swasey Co., 5701 Carnegie Ave., Cleveland 3, Ohio.

MACHINES, Screw (Hand or Plain)

Brown & Sharpe Mfg. Co., 235 Promenade St., Providence, R. I. (Hand.)
Hardinge Bros., Inc., 1418 College Ave., Elmira, N. Y. (Precision.)
Monarch Machine Tool Co., 402 Oak St., Sidney, Ohio. (Hand.)
Rivett Inc 20 Riverview Rd Brighton Boston 35 Mass
Wade Tool Co 49 River St Waltham 54 Mass (Hand)

MACHINES, Screwdriving (Automatic)

Detroit Power Screwdriver Co Dept 59-AIPG 2801 W Fort St Detroit 16 Mich

MACHINES, Seaming (Metal)

Bliss Co E W 1375 Raff Rd S W Canton Ohio
Niagara Machine & Tool Works, 683 Northland Ave., Buffalo 11, N. Y.
Peck, Stow & Wilcox Co., 217 Center St., Southington, Conn. "Pexto."
Pexto—See Peck, Stow & Wilcox Co.

MACHINES, Sewing (Industrial)

Randall Co., 5000 Spring Grove Ave., Cincinnati, Ohio.
Union Special Machine Co 402 N Franklin St Chicago 10 Ill
Wilcox & Gibbs Sewing Machine Co., 214 W 39th St., New York 18, N. Y.

MACHINES, Sheet Metal Working

(For drawing, forming, cutting and punching)

Bath Co Cyril 32400 Aurora Rd Solon Ohio
Di-Acro—See O'Neil-Irwin Mfg. Co.
Erco—See Nuclear Products—Erco Div
Ex-Cell-O Corp 1200 Oakman Blvd Detroit 32 Mich
Hendley & Whittemore Co Box 959 Beloit Wis
Kane & Roach Inc Niagara & Shonnard St Syracuse 4 N Y
McKay Machine Co 825 W Federal St Youngstown Ohio
Niagara Machine & Tool Works, 683 Northland Ave., Buffalo 11, N. Y.
Nuclear Products-Erco Div of ACF Industries Inc Riverdale Md "Erco"
O'Neil-Irwin Mfg Co 514 Eighth Ave Lake City Minn "Di-Acro"
Peck, Stow & Wilcox Co., 217 Center St., Southington, Conn. "Pexto."
Pexto—See Peck, Stow & Wilcox Co.
Wales-Strippit Inc Akron N Y
Wean Equipment Corp 22828 Lakeland Blvd Euclid Cleveland 17 Ohio (Combination slitting and shearing)
Wysong & Miles Co., 625 Fulton St., Greensboro, N. C.

MACHINES, Shot Peening

Pangborn Corp 200 Pangborn Blvd Hagerstown Md "Rotoblast"
Rotoblast—See Pangborn Corp
Wheelabrator Corp 402 Byrkit St Mishawaka Ind "Wheelapeen" & "Wheelabrator"
Wheelapeen—See Wheelabrator Corp

MACHINES, Slitting

Tishken Products Co 13000 W Eight Mile Rd Detroit 37 Mich (Sheet or coil stock)
Yoder Co 5500 Walworth Ave Cleveland 2 Ohio (Rotary)

MACHINES, Slotting

Betts—See Consolidated Machine Tool Div
Consolidated Machine Tool Div Farrel-Birmingham Co 565 Blossom Rd Rochester 10 N Y "Betts"
Danly Machine Specialties Inc 2100 S Laramie Ave Chicago 5 Ill
Hy-Draulic—See Rockford Machine Tool Co
Morton Mfg Co Broadway & Hoyt St Muskegon Heights Mich
Pellow Machine Co., 13500 Foley Ave., Detroit 27, Mich. (Nut.)
Rockford Machine Tool Co., 2400 Kiskwaukee St., Rockford, Ill. "Hy-Draulic."
Superior Machine & Engineering Co., 1930 Ferry Park Detroit, Mich
Wales-Strippit Inc Akron N Y
Waterbury Farrel Foundry & Machine Co Div of Textron Inc 453 Bank St Waterbury 20 Conn (Screw head)

MACHINES, Soldering

Acoustica Associates Inc Shore Rd Glenwood Landing L I N Y (Ultrasonic)
Alcar Instruments Inc 17 Industrial Ave Little Ferry N J (Ultrasonic)

MACHINES, Special Combination

Cross Co 17801 E 14 Mile Rd Fraser Mich (Dial rotary index trunnion single and double station)

MACHINES, Spline Roller

Michigan Tool Co 7171 McNichols Rd E Detroit 12 Mich "Roto-Flo"

MACHINES, Straightening

Brandes Press Co 6408 Euclid Ave Cleveland 3 Ohio (Coil)
Grotnes Machine Works Inc 5454 W Wolcott Ave Chicago 40 Ill (Roller type)
Kane & Roach Inc Niagara & Shonnard Sts Syracuse 4 N Y
Littell Machine Co F J 4125 Ravenswood Ave Chicago 11 Ill (Coil stock)
Mackintosh-Hemphill Div E W Bliss Co 901 Bingham St S S Pittsburgh 3 Pa (Tubing)
Tishken Products Co 13000 W Eight Mile Rd Detroit 37 Mich
Yoder Co 5500 Walworth St Cleveland 2 Ohio (Coil)

MACHINES, Superfinishing

Gisholt Machine Co 1307 E Washington Ave Madison 10 Wis "Gisholt Superfinisher"
Size Control Co Div American Gage & Machine Co 2500 Washington Blvd Chicago 12 Ill

MACHINES, Tacking

Bostitch East Greenwich R I
Duo-Fast—See Eastern Duo-Fast Corp
Eastern Duo-Fast Corp 176 Ave of the Americas N Y 13 N Y "Duo-Fast" (One-hand automatic)
Hansen Mfg Co A L 5037 Ravenswood Ave Chicago 40 Ill (One-hand automatic)
United Shoe Machinery Corp 140 Federal St Boston 7 Mass (One-hand automatic)

MACHINES, Tapping

(See also Tappers, Portable Electric; also Tappers, Portable Pneumatic)

Acme—See Hill Acme Co Acme Machinery Div
Agnew Machine Co 121 S Main St Milford Mich
Avey Drilling Machine Div of Motch & Merryweather Mchry Co 25 E Third St Covington Ky
Baker Bros Inc P O Box 101 Sta F Toledo 10 Ohio
Barnes Co W F & John 301 S Water St Rockford Ill (Horizontal and vertical)
Barnes Drill Co., 826 Chestnut St., Rockford, Ill. "Barnesdrill"
Baush Machine Tool Co 156 Wason Ave Springfield 7 Mass
Boice-Crane Co., 930 W. Central Ave., Toledo 6, Ohio.
CP—See Chicago Pneumatic Tool Co
Chicago Pneumatic Tool Co 6 E 44th St N Y 17 N Y "CP" (Portable electric and pneumatic)
Cleveland Tapping Machine Co Canton 6 Ohio
Footburt—See Foote-Burt Co
Foote-Burt Co., 13000 St. Clair Ave., Cleveland, Ohio. "Footburt."
Frew Machine Co., 125 E. Luray St., Philadelphia 20, Pa.
Garvin—See Western Machine Tool Works
Grant Mfg & Machine Co Silliman Ave Bridgeport 5 Conn
Greenlee Bros & Co 1702 Mason Ave Rockford Ill
Hamilton Tool Co 9th & Hanover Sts Hamilton O (Sensitive)
Hi-Duty—See Kaufman Mfg. Co.
Hill Acme Co Acme Machinery Div 1201 W 65th St Cleveland 2 Ohio "Acme" (Nut and pipe coupling)
Hole Hog—See Moline Tool Co
Kaufman Mfg. Co., 29th St. & Meadow Lane, Manitowoc Wis "Hi-Duty"
Moline Tool Co 102 20th St Moline Ill "Hole Hog" (Multiple spindle)
Morton Mfg Co Broadway & Hoyt St Muskegon Heights Mich (Automatic)
Natco—See National Automatic Tool Co
National Automatic Tool Co., S. Seventh & N Sts., Richmond, Ind. "Natco."
Procunier Safety Chuck Co., 18 S. Clinton St., Chicago 6, Ill.
Producto Machine Co 990 Housatonic Ave Bridgeport 1 Conn (Hand)
R-S—See Rickert-Shafer Co.
Rehnberg-Jacobson Mfg. Co., 2135 Kishwaukee St., Rockford, Ill.
Rickert-Shafer Co., 613 W. 11th St., Erie, Pa. "R-S."
Sibley Machine & Foundry Corp 206 E Tutt St South Bend 23 Ind
Snow Mfg. Co., 435 Eastern Ave., Bellwood, Ill.
Snyder Corp 3400 E Lafayette Ave Detroit 7 Mich
Warner & Swasey Co., 5701 Carnegie Ave., Cleveland 3, Ohio.
Western Machine Tool Works 255 W Ninth St Holland Mich "Garvin"

MACHINES, Tapping (Nut)

Acme Machinery Div Hill Acme Co 6300 Breakwater Ave Cleveland 2 Ohio
National Machinery Co., Tiffin, Ohio.
Snow Mfg Co 435 Eastern Ave Bellwood Ill
Waterbury Farrel Foundry & Machine Co Div of Textron Inc 453 Bank St Waterbury 20 Conn (Automatic)

MACHINES, TAPPING and DRILLING—See Machines, Drilling & Tapping

MACHINES, Tapping and Threading

Cleveland Tapping Machine Co Brook St Elmwood Conn
Warner & Swasey Co., 5701 Carnegie Ave., Cleveland 3, Ohio.

MACHINES, Testing (Color)

(For testing fastness to sunlight of auto fabric colors.)

Atlas Electric Devices Co 4114 N Ravenswood Ave Chicago 13 Ill
Fade-Ometer—See Atlas Electric Devices Co

MACHINES, Testing (Gear)

Brown & Sharpe Mfg Co 235 Promenade St Providence 1 R I
Farrel-Birmingham Co 97 Main St Ansonia Conn
General Electric Co., 1 River Rd., Schenectady 5, N. Y. "Ultrasonics."
Gleason Works, 1000 University Ave., Rochester 3, N. Y.
Illinite—See Illinois Tool Works
Illinois Tool Works 2501 N Keeler Ave Chicago 39 Ill "Illinite"
Michigan Tool Co., 7171 McNichols Rd., E., Detroit 12, Mich. "SineLine."
National Broach & Machine Co., 5600 St Jean Ave., Detroit 13, Mich. "Red Ring."
Parkson—See George Scherr Co.
Red Ring—See National Broach & Machine Co.
Scherr Co., George, 200 Lafayette St., New York 12, N. Y. "Parkson."
SineLine—See Michigan Tool Co
Ultrasonics—See General Electric Co
Vinco Corp 9111 Schaefer Highway Detroit 28 Mich

MACHINES, Testing (Metal)

(Tensile, compression, hardness, flaw, etc.)

(See also Instruments, Metal Testing)

B-L-H—See Baldwin-Lima-Hamilton Corp
Baldwin-Lima-Hamilton Corp Philadelphia National Bank Bldg Philadelphia 7 Pa "B-L-H" "I-V"
Barber-Colman Co 1300 Rock St Rockford Ill (Hand type)
Curtiss-Wright Corp Princeton Div PO Box 110 Princeton N J (Ultrasonic)
Dillon & Co W C 14620 Keswick St Van Nuys Calif
Gogan Machine Corp 1440 E 55th St Cleveland 3 Ohio
I-V—See Baldwin-Lima-Hamilton Corp
Magnatest—See Magnaflux Corp
Magnaflux Corp 7300 W Lawrence Ave Chicago 31 Ill "Magnaflux," "Magnaglo," "Magnatest" "Zyglo" "Zyglo-Pentrex" (For flaws)
Magnaglo—See Magnaflux Corp.
Metroscope—See Photocon Research Products.
Olsen Testing Machine Co Tinius 2090 Easton Rd Willow Grove Pa
Peterson Machine Tool Inc Sonoflux Div 6200 Merriam Dr Merriam Kans "Sonoflux" (Magnetic)
Photocon Research Products 421 N Altadena Ave Pasadena 7 Calif "Metroscope" (Thickness)
RCA Arlin—See Radio Corp of America
Radio Corp of America Detroit Industrial Products 13541 Auburn Ave Detroit 23 Mich "RCA Arlin"
Reflectoscope—See Sperry Products Inc
Riehle Testing Machines Div American Machine & Metals Inc East Moline Ill
Rockwell—See Wilson Mechanical Instrument Co.
Scleroscope—See Shore Instrument & Mfg. Co.
Shore Instrument & Mfg Co 90-35 Van Wyck Expressway Jamaica 35 N Y "Scleroscope"
Sonoflux—See Peterson Machine Tool Inc
Sperry Products Inc Danbury Conn "Reflectoscope" (Portable ultrasonic)
Telebrineller—See Teleweld Inc.
Teleweld Inc 11535 Franklin Ave Franklin Park 4 Ill "Telebrineller" (Portable hardness)
Tukon—See Wilson Mechanical Instrument Co.
Wilson Mechanical Instrument Div American Chain & Cable Co 230 Park Ave New York 17 N Y "Rockwell" "Tukon" (Hardness)
Zyglo—See Magnaflux Corp.
Zyglo-Pentrex—See Magnaflux Corp

MACHINES, Testing (Plastic)

Dillon & Co W C 14620 Keswick St Van Nuys Calif
Olsen Testing Machine Co Tinius 2090 Easton Rd Willow Grove Pa

MACHINES, TESTING (Pressure and Vacuum)—See Machines, Pressure and Vacuum Testing

MACHINES, Testing (Spring)

C & M—See Coulter & McKenzie Machine Co
Chatillon & Sons, John, 85 Cliff St., New York 38, N. Y.
Coulter & McKenzie Machine Co 35 Union Ave Bridgeport Conn "C & M"
Ferner Co., R. Y., 131 State St., Boston, Mass. (Imported.)
Link Engrg Co 13840 Elmira Ave Detroit 27 Mich
Olsen Testing Machine Co., Tinius, 500 N 12th St., Philadelphia, Pa.
RCA Arlin—See Radio Corp of America
Radio Corp of America Detroit Industrial Products 13541 Auburn Ave Detroit 23 Mich "RCA Arlin"
Riehle Testing Machines Div American Machine & Metals Inc East Moline Ill
Toledo Scale Div of Toledo Scale Co Telegraph Rd Toledo 12 Ohio

MACHINES, Testing (Weathering)

(For testing action of sun, rain, heat and cold on finishes of bodies and other parts.)

Atlas Electric Devices Co 4114 N Ravenswood Ave Chicago 13 Ill "Weather-Ometer"
Weather-Ometer—See Atlas Electric Devices Co.

MACHINES, Thread Cutting

Acme—See Hill Acme Co Acme Machinery Div
Champion Blower & Forge Co., Harrisburg Ave. & Charlotte St., Lancaster, Pa.
Cri-Dan—See Gisholt Machine Co
Davis & Thompson Co 4460 N 124th St Milwaukee 18 Wis "Roto-Matic"
Eastern Machine Screw Corp., Truman & Barclay Sts., New Haven 6, Conn "H & G"
Economy Engineering Co., 108 Vine St., Willoughby, Ohio. (Automatic.)
Fellows Gear Shaper Co 78 River St Springfield Vt
Gisholt Machine Co 1207 E Washington St Madison 10 Wis "Cri-Dan"
Grant Mfg. & Machine Co., 90 Silliman Ave., Bridgeport 5, Conn.
H & G—See Eastern Machine Screw Corp
Hill Acme Co Acme Machinery Div 1201 W 65th St Cleveland 2 Ohio "Acme"
Kaufman Mfg. Co., 29th St. & Meadow Lane, Manitowoc, Wis.
Kent Machine Co., 113 Portage Trail, Cuyahoga Falls, Ohio.
Landhydro—See Landis Machine Co.
Landis Machine Co Fifth & Church Sts Waynesboro Pa "Landmaco" "Landhydro"
Landmaco—See Landis Machine Co.
Oster Mfg Co E 289th St Wickliffe Ohio
R-S—See Rickert-Shafer Co
Rickert-Shafer Co., 613 W. 11th St., Erie, Pa. "R-S."
Roto-Matic—See Davis & Thompson Co
Snow Mfg. Co., 435 Eastern Ave., Bellwood, Ill.
Toledo Pipe Threading Machine Co., 1445 Summit Ave., Toledo 4, Ohio.

MACHINES, Thread Grinding (Production)

Dalzen Mfg Co 4600 Bree Rd St Clair Mich
Ex-Cell-O Corp 1200 Oakman Blvd Detroit 32 Mich "XLO"
J & L—See Jones & Lamson Machine Co.
Jones & Lamson Machine Co 523 Clinton St Springfield Vt "J&L" (Automatic)
Landis Machine Co Fifth & Church Sts Waynesboro Pa (Centerless)
Sheffield Corp., 721 Springfield St., Dayton 1, Ohio.
XLO—See Ex-Cell-O Corp.

MACHINES, THREAD MILLING—See Machines, Milling (Thread)

MACHINES, Thread Rolling

Bliss Co E W 1875 Raff Rd S W Canton Ohio
Economy Engrg Co 108 Vine St Willoughby Ohio
Hartford Special Machinery Co 287 Homestead Ave Hartford 12 Conn
Hause Machines Inc 809 S Pleasant St Montpelier Ohio
Landis Machine Co Fifth & Church Sts Waynesboro Pa "Lanhyrol"
Lanhyrol—See Landis Machine Co
Namco—See National Acme Co
National Acme Co 170 E 131st St Cleveland 8 Ohio "Namco" (Hydraulic)
National Machinery Co., Tiffin, Ohio.
Reed Rolled Thread Die Co 791 Main St Holden Mass
Sheffield Corp 721 Springfield St Dayton Ohio
Waterbury Farrel Foundry & Machine Co Div of Textron Inc 453 Bank St Waterbury 20 Conn

MACHINES, THREADING AND TAPPING—See Machines, Tapping and Threading

MACHINES, Tube Flaring

(See also Tools, Tube Flaring)

Leonard Precision Products Co 9200 Bolsa Ave Santa Ana Calif

MACHINES, Tube Making

American Electric Fusion Corp 2610 Diversey Ave Chicago 47 Ill
Kane & Roach Inc Niagara & Shonnard Sts Syracuse 4 N Y (Radiator)
McKay Machine Co 825 W Federal St Youngstown Ohio
Yoder Co 5553 Walworth Ave Cleveland 2 Ohio

MACHINES, Uncoiling

Yoder Co 5500 Walworth Ave Cleveland 2 Ohio

MACHINES, VACUUM TESTING—See Machines, Pressure and Vacuum Testing

MACHINES, Washing (Mask)

Conforming Matrix Co Toledo Factories Bldg Toledo 2 Ohio

MACHINES, WASHING (METAL PARTS)—See Machines, Degreasing and Washing (Metal Parts)

MACHINES, WELDING — See Welders and Equipment

MACHINES, Wheel Rim Rolling

McKay Machine Co 825 W Federal St Youngstown Ohio

MACHINES, Wire Splice (Horizontal)

AMP Inc Harrisburg Pa

MACHINES, Wire Stripping (Electric)

High Speed Hammer Co 313 North St Rochester 21 N Y

MACHINES, X-Ray

General Electric Co X-Ray Dept 4855 Electric Ave Milwaukee 1 Wis
Micronex—See Westinghouse Electric Corp
Productograph—See Westinghouse Electric Corp
Westinghouse Electric Corp X-Ray & Electronics Div 2519 Wilkens Ave Baltimore 3 Md "Micronex" "Productograph"

MAGNESIUM ALLOYS—See Alloys, Magnesium

MAGNESIUM CASTING—See Castings, Magnesium

MAGNETIC DRAIN PLUGS—See Plugs, Drain (Magnetic)

MAGNETO COUPLINGS — See Couplings, Magneto, Generator and Water Pump

MAGNETO PARTS—See Parts, Magneto, Coil and Distributor

MAGNETOS, Ignition

American Bosch Div American Bosch Arma Corp 3664 Main St Springfield 7 Mass
Bendix—See Scintilla Div Bendix Aviation Corp
Fairbanks Morse & Co., Magneto Div., Beloit, Wis.
Scintilla Div Bendix Aviation Corp Sidney N Y "Bendix"
Wells Mfg Corp 12 S Brooke St Fond du Lac Wis (For small engines)
Wico Electric Co 10 Bliss Ave West Springfield Mass

MALLETS, BRASS, COPPER OR RUBBER—See Hammers, Soft Face

MANDRELS, Expanding

Count-Centric—See Le Count Tool Works Inc
Erickson Tool Co 34350 Solon Rd Solon Ohio
Chicago-Latrobe 426 W Ontario St Chicago 10 Ill
Le Count Tool Works Inc 38 Cody St West Hartford 10 Conn "Le Count" "Count-Centric" "Micr-O-Mite"
Lee Co K O Congress at First Ave S E Aberdeen S D
Logansport Machine Co 860 Center Ave Logansport Ind "Logan" (Pneumatic and hydraulic)
Micr-O-Mite—See Le Count Tool Works Inc
Roll-Lock—See Scully-Jones & Co
Scully-Jones & Co 1977 S Rockwell St Chicago 8 Ill "Roll-Lock"
Woodworth Co N A 1300 E 9 Mile Rd Detroit 20 Mich

MANIFOLDS, Intake and Exhaust (Auto)

Almquist Engrg Co Milford Pa (Dual intake)
Continental Motors Corp., Muskegon 82, Mich.
Detroit Gasket & Mfg. Co., 12640 Burt Rd., Detroit, Mich. "Steelbestos."
Edelbrock Equipment Co 4921 W Jefferson Blvd Los Angeles 16 Calif (Special intake)
International Parts Corp 4101 W 42nd Pl Chicago 32 Ill
Steelbestos—See Detroit Gasket & Mfg. Co.

MANIFOLDS, WIRING (Metal)—See Conduit, Flexible Car Wiring

MARKING MACHINES—See Machines, Marking

MASKING COMPOUNDS, PASTES AND PAINTS—See Compounds, Masking

MASKING TAPE—See Tape, Masking

MASK WASHING MACHINES — See Machines, Washing (Mask)

MATERIALS, MOLDING (PHENOLIC, UREA, CELLULOSE ACETATE, etc.)—See Plastics—Materials

MATS, CARPET—See Carpet, Auto

MATS, LINOLEUM — See Coverings, Floor (Bus or Truck)

MATS or MATTING, Rubber

Ace Rubber Products Inc 100 Beech St Akron Ohio
Anchor Rubber Products Div of Anchor Industries Inc 1725 London Rd Cleveland 12 Ohio "Tuftex" (Mats)
Armor-Flex—See Doan Mfg Div
Baldwin Rubber Co., 366 S. Boulevard, E., Pontiac, Mich. (Mats.)
Better Monkey Grip Co., 5320 Harry Hines Blvd., Dallas 22 Tex. "Monkey Grip" (Mats; sole distributors. Monkey Grip Sales Co., 5320 Harry Hines Bldg., Dallas 22 Tex.)
Boston Woven Hose & Rubber Co 29 Hampshire St Cambridge Mass (P O Box 1071 Boston 3 Mass) "Boston" "Kleen-rite" "Roto-Loom" "Nu-Tred" (Matting)
Buckeye Rubber Products Inc 637 N Jackson St Lima Ohio
Car pets—See H B Egan Mfg Co
Continental—See Kraco Products Inc
Continental Rubber Works 1946 Liberty St Erie Pa (Matting)
Dallas Mfg & Sales Co P O Box 7181 Dallas Tex "Guard-A"
Dayton Rubber Co 2342 Riverview Ave Dayton Ohio
Doan Mfg Div of Anchor Industries Inc 1725 London Rd Cleveland 12 Ohio "Armor-Flex"
Egan Mfg Co H B P O Box 1406 Muskogee Okla "Car pets" (Flexible rubber)
Esquire—See Kraco Products Inc
Fabric Mfg Co 97 Chestnut St Newark 5 N J (Mats)
Fargo Rubber Corp 137 E 58th St Los Angeles 11 Calif
Fulmer Arthur 260 Monroe Ave Memphis 1 Tenn "Ful-Pro-Tex" (Front rear and trunk)
Ful-Pro-Tex—See Arthur Fulmer
Gates Rubber Co 999 S Broadway Denver 17 Colo "Gates Vulco" (Mats)
Globe Rubber Products Corp 3333 N Lawrence St Philadelphia 40 Pa (Mats)
Goodrich Industrial Products Co B F 500 S Main St Akron 18 Ohio
Goodyear Tire & Rubber Co E Market St Akron 16 Ohio
Guard-A—See Dallas Mfg & Sales Co
Haywood Industries P O Box 1004 Dayton 1 Ohio "Modac" (Mats)
Imperial—See Kraco Products Inc
Kleen-rite—See Boston Woven Hose & Rubber Co
Kraco Products Inc 2411 W Sante Fe Ave Compton Calif "Continental" "Esquire" "Imperial" "Monarch" "Lancer" "Regal" (Mats)
Krestliner Kar-Rugs—See Rubbermaid Inc
Lancer—See Kraco Products Inc
Modac—See Haywood Industries
Monarch—See Kraco Products Inc
Monkey Grip—See Better Monkey Grip Co
Moore & Co Samuel Mantua Ohio "Rub-Bub"
Niagara Fabric Mfg. Co., 26 Waverly Pl., New York 3, N. Y.
Nu-Tred—See Boston Woven Hose & Rubber Co
Ohio Rubber Co., 300 Ben Hur Ave., Willoughby, Ohio. "Orco."
Orco—See Ohio Rubber Co.
Porter Co H K Thermoid Div 200 Whitehead Rd Trenton 6 N J "Thermoid"
Regal—See Kraco Products Inc
Richardson Co., Lockland, Ohio.
Roto-Loom—See Boston Woven Hose & Rubber Co
Rub-Bub—See Samuel Moore & Co
Rubbermaid Inc E Bowman St Wooster Ohio "Rubbermaid Kar-Rugs" "Stylemaster Kar-Rugs" "Krestliner Kar-Rugs"
Seiberling Rubber Co Akron 9 Ohio (Mats)
Standard Products Co 2130 W 110th St Cleveland 2 Ohio (Mats)
Stylemaster Kar-Rugs—See Rubbermaid Inc
Thermoid—See H K Porter Co Thermoid Div
Tuftex—See Anchor Rubber Products Div of Anchor Industries Inc
United States Rubber Co., Rockefeller Center, 1230 Ave. of the Americas, New York 20 N. Y.
Zink Corp Howard Fremont Ohio

MATTING, Aluminum

Erdle Perforating Co., 171 York St., Rochester 11, N. Y. "Pyrma."
Pyrma—See Erdle Perforating Co.
Zenite Metal Corp P O Box 939 Blytheville Ark

METAL, BODY FILLING—See Solder

METAL FORMING MACHINES (Wire and Ribbon)—See Machines, Forming (Metal)

METALLIZING WIRE—See Wire, Metallizing

METALLURGY, POWDER—See Parts, Metallic Powder

METAL PARTS DRYERS — See Machines, Drying (Metal Parts)

METAL SPRAY GUNS—See Sprayers, Molten Metal

METAL TESTING COMPOUNDS—See Compounds, Metal Testing

METAL TESTING INSTRUMENTS—See Instruments, Metal Testing

METAL TESTING MACHINES—See Machines, Testing (Metal)

METALLIC BELLOW SEALS — See Seals, Metallic Bellow

METALS, Bearing

Adamant—See Magnolia Metal Co
Aluminum Co of America 1501 Alcoa Bldg Pittsburgh 19 Pa (Aluminum alloy)
B-M-C—See Burlington Brass Works
Bearium Metals Corp Mill & Commercial Sts Rochester 14 N Y (Bronze)
Belmont Smelting & Refining Works 326a Belmont Ave Brooklyn N Y
Benson—See Hewitt Metals Corp
Boston Gear Works Div Murray Corp 14 Hayward St Quincy 71 Mass

Bound Brook Oil-Less Bearing Co Lincoln Blvd Bound Brook N J
Buckeye Brass & Mfg Co 6410 Hawthorne Ave Cleveland 3 Ohio "Buckeye" "Hy-Speed" "Lubrico" "Premier"
Bunting Brass & Bronze Co 715 Spencer St Toledo 9 Ohio (Bronze)
Burlington Brass Works Burlington Wis "B-M-C"
Chase Brass & Copper Co 236 Grand St Waterbury 20 Conn (Bronze)
DU—See United States Gasket Plastics Div
DZL—See Magnolia Metal Co
Defender—See Magnolia Metal Co
Divco—See Division Lead Co
Division Lead Co 7742 W 61st Pl Summit Ill "Divco"
Dutch Boy—See National Lead Co
Empire Metal Co 820 E Water St Syracuse N Y (Babbitt)
Federated Metals Div of American Smelting & Refining Co 120 Broadway New York 5 N Y "Federated" "Merit Brand" "XXXX Nickel" (Nickel babbitt)
Glyco—See Joseph T. Ryerson & Son, Inc.
Government Genuine—See United American Metals Corp.
Hewitt Metals Corp., 12th St. at Stanley Ave., Detroit 8, Mich. "Benson," "Hewitt Genuine," "Radium A," "Prize Ribbon," "Hewitt Copper Hard," "Mocar," "Hewmet."
Hewmet—See Hewitt Metals Corp.
Hy Speed—See Buckeye Brass & Mfg. Co.
Johnson Bronze Co., 510 S. Mill St., New Castle, Pa.
Lotus—See Luman Bearing Co.
Lubrico—See Buckeye Brass & Mfg. Co.
Lumen Bearing Co., 197 Lathrop St., Buffalo 12, N. Y. "Machinebronze." (Bronze; "Lotus," "Stannum," "Old Genuine" babbitt.)
Machinebronze—See Lumen Bearing Co
Magnolia Metal Co 18 W Jersey St Elizabeth 4 N J "Adamant" "Power" "Defender" "DZL" "Magnolia" "Pyramid"
Merit Brand—See Federated Metals Div
Mocar—See Hewitt Metals Corp
Moccasin Bushing Co 2000 Chestnut St Chattanooga Tenn (Bronze bars)
Mueller Brass Co 1925 Lapeer Ave Port Huron Mich
National Lead Co 111 Broadway New York 6 N Y "Dutch Boy"
North American Smelting Co Marine Terminal Wilmington Del (Babbitt)
Old Genuine—See Lumen Bearing Co
Pittsburgh Brass Mfg Co 2155 Penn Ave Pittsburgh 1 Pa
Power—See Magnolia Metal Co
Premier—See Buckeye Brass & Mfg Co
Prize Ribbon—See Hewitt Metals Corp
Pyramid—See Magnolia Metal Co
Radium A—See Hewitt Metals Corp
River Smelting & Refining Co 4195 Bradley Rd Cleveland Ohio "River R S"
Ryerson & Son Inc Joseph T 16th & Rockwell Sts Chicago Ill "Glyco"
Scully Foundry & Machine Co 66 S River St Coxsackie N Y
Stannum—See Lumen Bearing Co
Stonewall—See United American Metals Corp.
Syracuse—See United American Metals Corp.
True Alloys Inc 284 S Summit St Detroit 9 Mich
United American Metals Corp 970 Meeker Ave Brooklyn 22, N. Y. "Government Genuine." "Syracuse." "Stonewall."
United States Gasket Plastics Div of Garlock Packing Co Palmyra N Y "DU"
XXXX Nickel—See Federated Metals Div American Smelting & Refining Co

METALS, Perforated

Diamond Mfg Co 243 W Eighth St Wyoming Pa
Harrington & King Perforating Co 5655 Fillmore St Chicago 44 Ill
Rigidizer Metals Corp 769 Ohio St Buffalo 3 N Y

METALS, Perforated

(For products made by powder metallurgy—See Parts, Metallic Powder)
Alan Wood Steel Co Conshohocken Pa (Iron)
American Platinum & Silver Div Englehard Industries Inc 231 N J R R Ave Newark 5 N J
Ancor—See Hoeganese Sponge Iron Corp
Ancor-Flame—See Hoeganese Sponge Iron Corp
Belmont Smelting & Refining Works, 326A Belmont Ave., Brooklyn, N. Y.
Bound Brook Oil-Less Bearing Co Lincoln Blvd Bound Brook N J "Compo" "Powd-Iron"
Colmonoy—See Wall Colmonoy Co
Compo—See Bound Brook Oil-Less Bearing Co
Elkonite—See P. R. Mallory & Co.
Glidden Co Chemicals-Pigments-Metals Div 1717 Summer St Hammond Ind (Lead copper alloy and filter)
Hoeganese Sponge Iron Corp Riverton N J "Ancor" "Ancor-Flame" (Iron; stainless steel)
Johnson Bronze Co., 510 S. Mill St., New Castle, Pa.
MD—See Metals Disintegrating Co.
Mallory & Co P R 76 S Gray St Indianapolis 6 Ind "Elkonite" (Copper base)
Metals Disintegrating Co., Box 290, Elizabeth B, N. J. "MD."
Moraine Products Div., General Motors Corp., 1420 Wisconsin Blvd., Dayton, Ohio.
New Jersey Zinc Co 160 Front St New York 38 N Y (Brass nickel-silver copper and zinc)
Plastic Metals Div National-U S Radiator Co 4800 Bridge St Johnstown Pa "Plast-Iron" "Plast-Manganese" "Plast-Nickel" "Plast-Steel" "Plast-Silicon" (Iron nickel manganese silicon steel etc)
Powdiron—See Bound Brook Oil-Less Bearing Co
Raybestos Div of Raybestos-Manhattan Inc 75 E Main St Stratford 2 Conn
Republic Steel Corp 1441 Republic Bldg Cleveland 1 Ohio (Iron)
Vanadium-Alloys Steel Co Latrobe Pa (Steel)
Wall Colmonoy Corp 19345 John R St Detroit 3 Mich "Colmonoy"
Wilson Co H A 2655 U S Route 22 Union N J

METALS, THERMOSTATIC—See Bi-Metals, Thermostatic

METERS, Engine Hour (Truck)

Engler Instrument Co 250 Culver Ave Jersey City 5 N J
Hobbs Corp John W Yale Blvd & Ash St Springfield Ill

METERS, FLOW—See Flowmeters

METERS, OIL TEMPERATURE INDICATING—See Gages, Oil Temperature Indicating

METERS, Turbine

Fischer & Porter Co 700 Warminster Rd Hatboro Pa

METERS, WATER TEMPERATURE INDICATING — See Gages, Water Temperature Indicating

METERS, Watt-Hour

G-E—See General Electric Co
General Electric Co Apparatus Sales Div 1 River Rd Schenectady 5 N Y "G-E"

METERS or ODOMETERS, Distance Recording

(For combined odometers and speedometers—See Speedometers)
Actuator Products Corp 40 Nashua St Woburn Mass "Apcor"
Apcor—See Actuator Products Corp
Barbour-Stockwell Instruments Div of Curtis & Marble Machine Co 80 Cambridge St Worcester 3 Mass "Reliance"
Engler Instrument Co 250 Culver Ave Jersey City 5 NJ
K-S—See King-Seeley Corp
King-Seeley Corp 315 S First St Ann Arbor Mich "K-S"
Reliance — See Barbour-Stockwell Instruments Div
Stewart-Warner Corp Instrument Div 1826 Diversey Parkway Chicago Ill
United States Taximeter Co., 514 W. 54th St., New York 19, N. Y. "Ustcograph."
Ustcograph—See United States Taximeter Co.
Veeder-Root Inc 20 Sargeant St Hartford Conn

MICA, Sheets, Tubes, Washers and Cores

Asheville-Schoonmaker Mica Co Newport News Va
Continental-Diamond Fibre Corp Newark 2 Del "Micabond"
Isomica—See Mica Insulator Div
Micabond—See Continental-Diamond Fibre Corp
Mica Insulator Div of Minnesota Mining & Mfg Co 801 Broadway Schenectady N Y "Isomica" & "Micanite"
Mycalex Corp of America 125 Clifton Blvd Clifton N J (Glass-bonded sheets and rods)

MICROMETERS

(See also Gages, Cylinder; also Gages, Piston Pin Fitting; also Gages, Piston Ring)
Acme Industrial Co 200 N Laflin St Chicago 7 Ill (Chamfer gage)
Ames Co., B. C., 13 Ames St., Waltham 54, Mass.
Ammco Tools Inc 2100 Commonwealth Ave North Chicago Ill (Brake drum)
Bath & Co John 10 Mann St Worcester 2 Mass (Internal)
Brown & Sharpe Mfg. Co., 235 Promenade St., Providence, R. I.
Central Tool Co 456 Wellington Ave Cranston 10 R I "Central" "Read-Rite"
Do All 254 N Laurel Ave Des Plaines Ill
Federal Products Corp 1144 Eddy St Providence 1 R I "Mikemaster" (Indicating)
Keystone Reamer & Tool Co., Millersburg, Pa.
Lufkin Rule Co 1730 Hess Ave Saginaw Mich (Crankshaft inside outside etc)
Mikemaster—See Federal Products Corp
Millers Falls Co 57 Wells St Greenfield Mass
Namco—See National Acme Co
National Acme Co 170 E 131st St Cleveland 8 Ohio "Namco"
P & W Supermicrometer—See Pratt & Whitney Co
Pratt & Whitney Co Charter Oak Blvd West Hartford 1 Conn "P & W Supermicrometer"
Read-Rite—See Central Tool Co
Rimat Gage Co 21 W Dayton St Pasadena 2 Calif (Inside)
Scherr Co., George, 200 Lafayette St., New York 12, N. Y.
Slocomb Co J T 68 Matson Hill Rd South Glastonbury Conn "Speedmike"
Speedmike—See J T Slocomb Co
Starrett Co., L. S., 1 Crescent St., Athol, Mass.
Swedish Gage Co of America 10641 Haggerty Ave Dearborn 1 Mich
Tubular Micrometer Co St James Minn "Tumico"
Tumico—See Tubular Micrometer Co
Van Keuren Co., 176 Waltham St., Watertown, Mass. (Light wave.)

MILLING CUTTERS—See Cutters, Milling

MILLING MACHINE ATTACHMENTS—See Attachments, Milling Machines; also Chucks, Milling Machines; also Vises, Milling Machine

MILLING MACHINES—See Machines, Milling

MILLS, PAINT GRINDING AND MIXING—See Machines, Kneading and Mixing

MIRROR BRACKETS—See Brackets, Mirror

MIRRORS, Rear View

Acme Specialty Mfg Co 2298 Smead Ave Toledo 6 Ohio (Bus and truck)
Aeco—See Aves Mfg Co
Anco—See Anderson Co
Anderson Co 1075 Grant St Gary 40 Ind "Anco"
Anthes Force Oiler Co Ft Madison Iowa "Anthes" (Truck); "Panoram" "TruVue" (West coast type)
Argus Mfg Co 1134 N Kilbourne Ave Chicago 51 Ill (Truck)
Arrow Safety Device Co Mt Holly N J
Arvin Industries Inc 13th St & Big Four RR Columbus Ind
Aves Mfg Co 4211 Redwood Ave Los Angeles 66 Calif "Aeco" "Cobra"
Bolser Corp S Main St Cedar Falls Iowa "Ful-Vue" (Truck; including west coast type)
Brite-Vue—See Yankee Metal Products Corp
Cobra—See Aves Mfg Co
Cromir—See Liberty Mirror Div
Dandee—See Supersite Corp
Defrosto—See Ted Prutsman Defrosto Mirrors Inc
Delbar Products Inc Seventh & Spruce Sts Perkasie Pa (Truck)
Dietz Co R E 225 Willinson St Syracuse 1 N Y (Truck)
Donnelly-Kelley Glass Co 43 W Third St Holland Mich
Do-Ray Lamp Co 1458 S Michigan Ave Chicago 5 Ill "Sturdi-Built" (Truck and bus)
Ducksback—See J W Speaker Corp
Du-Wel Metal Products Inc PO Box 307 Bangor Mich
E-Z-I—See Liberty Mirror Div
Electroline Mfg Co 2622 E 51st St Cleveland 4 Ohio
Glant—See Power Brake Parts Mfg Co
Glare-Proof—See Guide Lamp Div
Griffin Lamp Co Shelby Miss (Truck)
Grote Mfg Co Lafayette & Grandview Aves Bellevue Ky

MIRRORS, Rear View—continued

Guide Lamp Div General Motors Corp 25th St & Arrow Ave Anderson Ind "Glare-Proof" "View-Finder" (Also remote control)
Hallmark—See Hall Products Div
Hall Products Div of C M Hall Lamp Co 1635 E Hancock Ave Detroit 7 Mich "Hallmark"
K-D Lamp Co 1910 Elm St Cincinnati 10 Ohio
King—See Power Brake Parts Mfg Co
King-Bee Mfg Co 2600 Washington Blvd Bellwood Ill
Liberty Mirror Div Libbey-Owens-Ford Glass Co 751 Third Ave Brackenridge Pa "E-Z-I" (Inside; "Cromir" outside)
Miro-Flex Co 1824 E Second St Wichita 7 Kans
Monarch Governor Co 2800 Tyler Rd Willow Run Mich
Monarch Tool & Machinery Co 3435 S Racine Ave Chicago 8 Ill (Auto and truck)
Namsco Inc 333 31st Ave Bellwood Ill "National"
National—See Namsco Inc
Nelmor Mfg Corp 26420 Lakeland Blvd Euclid Ohio
Norlipp Co 5929 S Lowe Ave Chicago 21 Ill
Panoram—See Anthes Force Oiler Co
Panoscopic—See Visionade Mfg Co
Perfect—See Power Brake Parts Mfg Co
Power Brake Parts Mfg Co 3435 S Racine Ave Chicago 8 Ill "Giant" "King" "Perfect" (Truck)
Prutsman Defrosto Mirrors Inc 660 S Myers St Los Angeles 23 Calif "Defrosto"
S & M Lamp Co 2369 E 51st St Los Angeles 54 Calif
Safti-Glo—See J W Speaker Corp
Seeall—See Visionade Mfg Co
Side-Vue—See Yankee Metal Products Corp
Sparton Automotive Div Sparton Corp Jackson Mich (Commercial vehicle and truck)
Speaker Corp J W 3059 N Weil St Milwaukee 12 Wis "Speaker" (Auto; "Safti-Glo" "Ducksback" truck)
Standard Mirror Co 141 Milton St Buffalo 10 N Y
Sturdi-Bilt—See Do-Ray Lamp Co
Supersite Corp 300 Seymour Ave Derby Conn "Dandee" "Supersite"
TruVue—See Anthes Force Oiler Co
U S Metal Products Co 1045 Atlantic Ave Brooklyn 38 N Y "US Pioneer"
Unity Mfg Co 2909 Indiana Ave Chicago 16 Ill
Velvac Inc 3534 W Pierce St Milwaukee 45 Wis
View-Finder—See Guide Lamp Div
Visionade Mfg Co 200 Kosciusko St Brooklyn 16 N Y "Seeall" "Panoscopic"
Yankee Metal Products Corp 25 Grand St Norwalk Conn "Side-Vue" (Auto; "Brite-Vue" truck; also combination mirror and spot light)

MIXING MACHINES—See Machines, Kneading and Mixing

MOLDED PARTS, Plastic — See Plastics, Molded

MOLDED PARTS, Rubber — See Rubber, Molded

MOLDED PARTS, Synthetic Rubber—See Rubber, Synthetic (Processed)

MOLDING, Drip (Metal)

Alcoa—See Aluminum Co. of America.
Aluminum Co of America 1501 Alcoa Bldg Pittsburgh 19 Pa "Alcoa" (Aluminum)
American Brass Co., 414 Meadow St., Waterbury 20 Conn "Anaconda" (Brass and nickel-silver.)
Anaconda—See American Brass Co.
Binkley Mfg Co Warrenton Mo (Steel)
Lees Div of Serrick Corp John 1300 Batavia St Muncie Ind (Stainless steel and aluminum)
Mitchell Specialty Div Industrial Enterprises Inc Edmund & Shelmire Sts Philadelphia 36 Pa
Peninsular Metal Products Corp., 1365 Jarvis St., Detroit 20, Mich
RPM Products Inc 17260 Gable St Detroit 12 Mich
Randall Co 5000 Spring Grove Ave Cincinnati 32 Ohio
Regal Motor Products Inc 6325 Grand River Ave Detroit 8 Mich
Revere Copper and Brass, Inc., 230 Park Ave., New York 17, N. Y. (Brass and aluminum.)
Reynolds Metals Co 6601 Broad St Richmond 19 Va (Aluminum)
Zenite Metal Corp P O Box 939 Blytheville Ark (Aluminum and steel)

MOLDING, Finish (Metal)

Adams Co S G 920 Olive St St Louis 1 Mo
Alcoa—See Aluminum Co. of America.
Aluminum Co of America 1501 Alcoa Bldg Pittsburgh 19 Pa "Alcoa" (Aluminum)
American Brass Co 414 Meadow St Waterbury 20 Conn "Anaconda" (Brass)
Anaconda—See American Brass Co.
Auto Vehicle Parts Co 1032 Saratoga St Newport 6 Ky
Bath Co Cyril 32400 Aurora Rd Solon Ohio
Croname Inc 6201 Howard St Chicago 48 Ill
Dahlstrom Metallic Door Co., Special Products Div., 429 Buffalo St., Jamestown, N. Y.
Delta Gasket & Mfg Co 12640 Burt Rd Detroit 23 Mich
Detroit Gasket & Mfg Co 12640 Burt Rd Detroit 23 Mich
Detroit Moulding Div of Young Spring & Wire Corp 4647 4th St Ecorse Mich (Steel)
Douglas & Lomason Co., 5836 Lincoln Ave., Detroit 8, Mich.
Edgar Corp 1341 Wanda Ave Ferndale 20 Mich
Excel Corp 1120 N Main St Elkhart Ind "XL"
Fifty Div of Hayes Industries Inc Bryan Ohio (Steel)
Groboski Industries Inc 4344 S Western Ave Chicago Ill "Styleking"
Hayes Industries, Inc., Wildwood & Fern Aves, Jackson, Mich.
Hurd Lock & Mfg Co 9689 Grand River Ave Detroit 4 Mich
Jacobs Co., F. L., 1043 Spruce St., Detroit 1, Mich.
Keystone Metal Moulding Co 1641 Stephens St East Detroit Mich (Stainless Steel)
Kinkead Industries Inc 5860 N Pulaski Rd Chicago 30 Ill "Kintrim"
Lees Div of Serrick Corp John 1300 Batavia St Muncie Ind (Stainless steel and aluminum)
Mefco—See Metal Forming Corp.
Merrimac Brass 22 High St Merrimac Mass (Lead filled brass nickel and chromium plated)
Metal Forming Corp 1937 Sterling Ave Elkhart Ind "Mefco"
Mirro Aluminum Co Manitowoc Wis (Aluminum and stainless steel)
Mitchell Specialty Div Industrial Enterprises Inc Edmund & Shelmire Sts Philadelphia 36 Pa
Peninsular Metal Products Corp., 1365 Jarvis St., Detroit 20, Mich.
Pyramid Mouldings Inc 5353 W Armstrong Ave Chicago 30 Ill
RPM Products Inc 17260 Gable St Detroit 12 Mich
Randall Co 5000 Spring Grove Ave Cincinnati Ohio (Steel)
Regal Motor Products Inc 6325 Grand River Ave Detroit 8 Mich
Revere Copper and Brass, Inc., 230 Park Ave., New York 17, N. Y. (Brass and aluminum.)
Reynolds Metals Co 6601 Broad St Richmond 19 Va (Aluminum)
Roll Formed Products Co 3765 Oakwood Ave Youngstown Ohio
Southern Mouldings Inc Owenton Rd Frankfort Ky (Steel)
Styleking—See Groboski Industries Inc
Western Mouldings Inc 1111 E Eighth St Upland Calif
XL—See Excel Corp
Young Spring & Wire Corp 9200 Russell St Detroit 11 Mich (Garnish)
Zenite Metal Corp P O Box 939 Blytheville Ark (Aluminum brass and steel)

MOLDING, Finish (Plastic)

Anchor Plastics Co 36-36 36th St Long Island City 6 N Y "Plastic Krome"

MOLDING MACHINES (Metal) — See Machines, Molding (Metal Foundry)

MOLDING MATERIALS — See Plastics—Materials

MOLDING PRESSES, PLASTIC—See Presses, Plastic Molding

MOLDING ROLLING MACHINES—See Machines, Rolling (Strip)

MOLYBDENUM

Fansteel Metallurgical Corp., 2200 Sheridan Road, North Chicago, Ill.
Molybdenum Corp of America 2 Gateway Center Pittsburgh 22 Pa

MOLYBDENUM ALLOYS—See Alloys, Molybdenum

MOLYBDENUM FORGINGS — See Forgings, Molybdenum

MONEL METAL CASTINGS—See Castings, Monel Metal

MONEL METAL, Sheets, Strips and Rods, Hot and Cold Rolled

Alloy Metal Wire Co., 13th & Pennsylvania Aves., Moores, Prospect Park, Pa.

MONOGRAMS, INITIALS and EMBLEMS, Ornamental

Acromark Co 9 Morrell St Elizabeth 4 N J
Attwood Brass Works Inc 303 Douglas St N W Grand Rapids Mich (Emblems)
Auld Co D L 5th Ave & 5th St Columbus 1 Ohio (Emblems)
Autograms—See Signa-Craft Inc
Benmatt Organization Inc 3447 E 15th St Los Angeles 23 Calif (Monograms)
Douglas Co 620 12th Ave Minneapolis 4 Minn
Electro Chemical Engraving Co 1100 Brook Ave N Y 56 N Y (Emblems)
Etched Products Corp 39-01 Queens Blvd Long Island City 4 N Y
Fox Co., 3400 Beekman St., Cincinnati 23, Ohio.
Gem Mfg Co 2535 South State St Chicago 16 Ill
Norgren-Stemac Div of C N Norgen Co 5400 S Delaware St Littleton Colo "Stemac"
Northern Engraving & Mfg. Co., Fourth & Vine Sts., La Crosse, Wis.
Regal Motor Products Inc 6325 Grand River Ave Detroit 8 Mich (Fender emblems)
Signa-Craft Inc 4515 Superior Ave Cleveland Ohio "Autograms" (Initials and emblems)
Stemac—See Norgren-Stemac Div

MONORAIL TROLLEYS—See Trolleys, Monorail

MOSS, Upholstery

(See also Hair, Upholstery; also Felt, Upholstery)

American Forest Products Co Box 911 Norristown Pa

MOTOR GENERATORS — See Generators, Electric (Auto)

MOTOR STARTERS—See Starters, Motor, for Factories

MOTOR STARTING COMPENSATORS — See Compensators, Motor Starting (Industrial)

MOTOR TRUCKS—See Trucks, Motor

MOTORS, Air Operated

Bellows Co., 222 W. Market St., Akron 9, Ohio.
CP—See Chicago Pneumatic Tool Co
Chicago Pneumatic Tool Co 6 E 44th St N Y 17 N Y "CP"
Cleco Div of Reed Roller Bit Co 5125 Clinton Dr Houston 1 Tex
Gardner-Denver Co S Front St Quincy Ill
Leiman Bros., Inc., 166 Christie St., Newark 5, N J.
Onsrud Machine Works Inc Machine Tool Div 7720 N Lehigh Ave Niles 48 Ill

MOTORS, CRANKING—See Motors, Starting (Air); also Motors, Starting (Electric)

MOTORS, Electric (Aircraft Use)

Lamb Electric Co Kent Ohio

MOTORS, Electric, Automotive Use (F.H.P.)

American Bosch Div American Bosch Arma Corp 3664 Main St Springfield 7 Mass (For seat adjusters top lifts and window lifts)
Anco—See Anderson Co
Anderson Co 1075 Grant St Gary 40 Ind "Anco" (For windshield wipers)
Barber-Colman Co 1300 Rock St Rockford Ill "Barcol" (Sub)
Barcol—See Barber-Colman Co
Delco Appliance Div., General Motors Corp., 391 Lyell Ave., Rochester, N. Y.
Electric Auto-Lite Co Toledo 1 Ohio
Everhot Products Co 2001 W Carroll Ave Chicago 12 Ill
General Armature & Mfg Co Box 370 Lock Haven Pa (For heaters windshield wipers etc to order)

General Industries Co., Olive St., Elyria, Ohio. **(For heaters and defrosters.)**
Hertner Electric Co 12690 Elmwood Ave Cleveland 11 Ohio
L-B—See Lydon-Bricher Mfg. Co.
Lamb Electric Co Kent Ohio
Leece-Neville Co 1374 E 51st St Cleveland 3 Ohio
Lydon-Bricher Mfg Co 2500 University Ave St Paul 14 Minn "L-B" (For fans heaters etc)
Micromotor—See Redmond Co
Redmond Co Owosso Mich "Micromotor"
Signal Mfg Co 69 Bennett St Lynn Mass (For heaters and windshield wipers)
Storm-King Products Co., 148-08 95th Ave., Jamaica, N. Y. **(For heaters.)**

MOTORS, Electric, for Driving Machinery

Abart Gear & Machine Co 4832 W 16th St Chicago 50 Ill (Also gearmotors)
Actionator — See Minneapolis-Honeywell Regulator Co
Adaloy—See Adams Engrg. Co.
Adams Engrg Co 31711 Solon Rd Solon Ohio "Adaloy" **(Gearmotors)**
Ajusto-Spede Drive—See Eaton Mfg Co Dynamatic Div
Allis-Chalmers Mfg Co Milwaukee 1 Wis
Allis Co Louis 427 E Stewart St Milwaukee 7 Wis "Syncro-Spede" "Line-A-Spede" "Line-A-Gear" "Right Angle" (Gearmotors)
All-Motor—See Falk Corp
Atlas Press Co 1842 N Pitcher St Kalamazoo Mich (Fractional)
AutoStart—See U. S. Electrical Motors, Inc.
Baldor Electric Co., 4351 Duncan Ave., St. Louis 10, Mo.
Bogue Electric Mfg Co 52 Iowa Ave Paterson 3 N J
Boston Gear Works Div Murray Corp 14 Hayward St Quincy 71 Mass "Rationmotor" (Gearmotors)
Century Electric Co., 1806 Pine St., St. Louis 3, Mo.
Cone-Drive—See Michigan Tool Co Cone Drive Gear Div
Continental Electric Co 325 Ferry St Newark 5 N J
Delco Appliance Div., General Motors Corp., 391 Lyell Ave., Rochester, N. Y. (Fractional.)
Delco Products Div., General Motors Corp., 329 E. First St., Dayton 1, Ohio.
Diehl Mfg. Co., Finderme Plant, 1011 Finderme Ave., Somerville, N. J.
Dumore Co 1300 17th St Racine Wis (Fractional)
EMC—See Electric Motor Corp.
Eaton Mfg Co Dynamatic Div 3122 14th Ave Kenosha Wis "Ajusto-Spede Drive" (Also fractional)
Electric Motor Corp Div of Howard Industries Inc 1760 State St Racine Wis "EMC" (Fractional)
Electric Products Co 1725 Clarkstone Rd Cleveland 12 Ohio
Elliott Co Jeannette Pa
Emerson Electric Mfg. Co., 8100 Florissant Ave., Detroit 21, Mich.
Fairbanks, Morse & Co., 600 S. Michigan Ave., Chicago 5, Ill.
Falk Corp 3001 W Canal St Milwaukee Wis "All Motor" "Motoreducers" (Gearmotors)
Ferguson Machine Corp of Indiana 7818 Maplewood Industrial Ct St Louis 17 Mo
Foote Bros Gear & Machine Corp 4545 S Western Blvd Chicago 9 Ill **(Gearmotors)**
G-E—See General Electric Co
General Electric Co Apparatus Sales Div 1 River Rd Schenectady 5 N Y "G-E" "Kinamatic" & "Tri-Clad" (Also gearmotors)
Hertner Electric Co., 12690 Elmwood Ave., Cleveland 11, Ohio
Howard Industries Inc 1760 State St Racine Wis
Howell Electric Motors Co 409 N Roosevelt St Howell Mich (Also gearmotors)
Kinamatic—See General Electric Co
Kingston-Conley Co 900 North Ave Plainfield N J
L & R Mfg Co 577 Elm St Kearny N J (Fractional)
Lamb Electric Co Kent Ohio (Fractional; also gearmotors)
Leland Electric Co 1501 Webster St Dayton 1 Ohio
Lima Electric Motor Co Findlay Rd Lima Ohio
Lincoln Electric Co 22801 St Clair Ave Cleveland 17 Ohio "Linc-Weld"
Line-A-Gear—See Louis Allis Co
Line-A-Spede—See Louis Allis Co
Link-Belt Co Dept 59-AIPG Prudential Plaza Chicago 1 Ill (Also "Motogear" gearmotors)
Marathon Electric Mfg Corp Wausau Wis
Master Electric Co Div Reliance Electric & Engrg Co 126 Davis Ave Dayton 1 Ohio
Michigan Tool Co Cone Drive Gear Div 7171 McNichols Rd E Detroit 12 Mich "Cone-Drive" (Gearmotors)
Minneapolis-Honeywell Regulator Co Industrial Div Wayne & Windrim Aves Philadelphia 44 Pa "Actionator" (Industrial valve)
Motogear—See Link-Belt Co
Motoreducers—See Falk Corp
Packard Electric Div General Motors Dana St Warren Ohio
Peerless Electric Co 1401 W Market St Warren Ohio
Philadelphia Gear Works Inc Erie Ave & G Sts Philadelphia 34 Pa (Gearmotors)
Rationmotor—See Boston Gear Works Div Murray Corp
Reco—See Reynolds Electric Co.
Reliance Electric & Engineering Co 24701 Euclid Ave Cleveland 17 Ohio
Reuland Electric Co 3001 W Mission Rd Alhambra Calif
Reynolds Electric Co., 3000 River Rd., River Grove, Ill. "Reco." (Fractional.)
Right Angle—See Louis Allis Co
Robbins & Myers, Inc., 1345 Lagonda Ave. Springfield, Ohio.
Slo-Speed—See Sterling Electric Motors Inc
Smith Corp A O 27th & Hopkins Sts Milwaukee 1 Wis
SpeedWay Mfg Co 1421 Barnsdale Rd La Grange Park Ill
Star-Kimble Motor Div Miehle Printing Press & Mfg Co 200 Bloomfield Ave Bloomfield N J
Sterling Electric Motors Inc 5401 Telegraph Rd Los Angeles 22 Calif "Slo-Speed" (Gearmotors)
Syncrogear—See U. S. Electrical Motors, Inc.
Syncro-Spede—See Louis Allis Co
Tri-Clad—See General Electric Co
Uniclosed—See U. S. Electrical Motors, Inc.
U. S. Electrical Motors, Inc., 200 E. Slauson Ave., Los Angeles 54, Cal. "Varidrive," "Syncrogear," "Uniclosed," "AutoStart."
Universal Electric Co 300 E Main St Owosso Mich (Fractional)
Valley Electric Corp., 4221 Forest Park Blvd., St. Louis, Mo.
Varidrive—See U. S. Electrical Motors, Inc.
Wagner Electric Corp 6400 Plymouth Ave St Louis 33 Mo
Walker-Turner Div Rockwell Mfg Co 400 N Lexington Ave Pittsburgh 8 Pa
Westinghouse Electric Corp Gearing Div Pittsburgh Pa
Westinghouse Electric Corp Motor & Control Div Buffalo N Y
Westinghouse Electric Corp Small Motor Div Lima Ohio (Fractional)

MOTORS, Electric (High Cycle)

G-E—See General Electric Co
General Electric Co Apparatus Sales Div 1 River Rd Schenectady 5 N Y "G-E"
Onsrud Machine Works Inc Machine Tool Div 7720 W Lehigh Ave Niles Ill

MOTORS, Electric Truck

General Electric Co Apparatus Sales Div 1 River Rd Schenectady 5 N Y "G-E"

MOTORS, Hydraulic

Barnes Corp John S 301 S Water St Rockford Ill
Berry Hydraulics a Div of Oliver Tyrone Corp Oliver Bldg Pittsburgh 22 Pa
Char-Lynn Co 2843 26th Ave S Minneapolis 6 Minn
Commercial Shearing & Stamping Co 1775 Logan Ave Youngstown Ohio
Denison Engrg Div American Brake Shoe Co 1160 Dublin Rd Columbus 16 Ohio "Denison Hydrolic"
Dudco—See New York Air Brake Co
H-P-M—See Hydraulic Power Div
Hydraulic Power Div Hydraulic Press Mfg Co 1000 Marion Rd Mt Gilead Ohio "H-P-M"
Hydreco—See New York Air Brake Co
Muncie Parts Mfg Co 2601 S Jefferson St Muncie Ind
New York Air Brake Co Hydreco Div Kalamazoo Mich "Dudco" "Hydreco"
Oilgear Co 1560 W Pierce St Milwaukee 4 Wis
Sundstrand Machine Tool Div of Sundstrand Corp Belvidere Ill
Tuthill Pump Co 939 E 95th St Chicago 19 Ill
Vickers Inc Machinery Hydraulics Div Administrative & Engrg Center Detroit 32 Mich
Vickers Inc Mobile Hydraulics Div Administrative & Engrg Center Detroit 32 Mich
Webster Electric Co 1900 Clark St Racine Wis
Wisconsin Hydraulics Inc 3165 N 30th St Milwaukee 16 Wis

MOTORS, Starting (Air)

Bendix-Westinghouse Automotive Air Brake Co 901 Cleveland Rd Elyria Ohio "Startaire"
Gardner-Denver Co., S. Front St., Quincy, Ill.
Ingersoll-Rand Co 11 Broadway New York 4 N Y
L-N—See Leece-Neville Co
Leece-Neville Co 1374 E 51st St Cleveland 3 Ohio "L-N"
Schwitzer Corp 1125 Massachusetts Ave Indianapolis 7 Ind
Startaire—See Bendix-Westinghouse Automotive Air Brake Co

MOTORS, Starting (Electric)

American Generator & Armature Co 6100 W Grand Ave Chicago 39 Ill
Arrow Armature Co 15 Fordham Rd Boston 34 Mass
Auto-Lite—See Electric Auto-Lite Co.
BV—See General Armature & Mfg Co
Delco-Remy Div General Motors Corp 2401 Columbus Ave Anderson Ind
Electric Auto-Lite Co Toledo 1 Ohio "Auto-Lite"
General Armature & Mfg Co Box 370 Lock Haven Pa "BV"
L-N—See Leece-Neville Co.
Leece-Neville Co 1374 E 51st St Cleveland 3 Ohio "L-N" **(For gas and Diesel engines)**

MOTORS, Starting (Hydraulic) (For Gasoline or Diesel Engines)

American Bosch Div American Bosch Arma Corp 3664 Main St Springfield 7 Mass "Hydrotor"
Detroit Diesel Engine Div General Motors Corp 13400 W Outer Drive Detroit 28 Mich "Hydrostarter" (Systems for Diesel engines)
Hydrostarter—See Detroit Diesel Engine Div
Hydrotor—See American Bosch Div

MOUNTINGS, Rubber Insulated

(For engines, bodies, instruments, etc. —See also Shackles, Spring)

Anchor Rubber Products Div of Anchor Industries Inc 1725 London Rd Cleveland 12 Ohio "Tuftex" (Engine)
Armor-Flex—See Doan Mfg Div
Atlantic India Rubber Works Inc 571 W Polk St Chicago 7 Ill
Bushings Inc 4358 Coolidge Highway Royal Oak Mich "Rubberflex" & "Instrumont"
Champ-Items, Inc., 6191 Maple Ave., St. Louis, Mo. (Engine, for Ford and Chevrolet cars.)
Clevite Harris Products Inc Lockwood Rd Milan Ohio "Silentbloc" "Hyperbloc"
Doan Mfg Div of Anchor Industries Inc 1725 London Rd Cleveland 12 Ohio "Armor-Flex" (Engine)
Ertel Products Co Repl Div of Ertel Mfg Corp 1402 E 20th St Indianapolis 7 Ind
Firestone Tire & Rubber Co 1200 Firestone Parkway Akron Ohio
General Tire & Rubber Co Industrial Products Div Wabash Ind "Silentbloc" (Licensees)
Globe Rubber Products Corp 3333 N Lawrence St Philadelphia 40 Pa
Goodrich Industrial Products Co B F 500 S Main St Akron 18 Ohio (Engine and radiator)
Goshen Rubber Co 609 E Iowa St Goshen Ind
Hyperbloc—See Clevite Harris Products Inc
Inland Mfg Div-General Motors Corp 2727 Inland Ave Dayton 1 Ohio
Instrumont—See Bushings Inc
Isomode—See MB Mfg Co
Lightnin—See R J Loock & Co
Loock & Co R J 343 N Gay St Baltimore Md "Lightnin"
Lord Mfg Co 1635 W 12th St Erie Pa (Shear type)
MB Mfg Co 1060 State St New Haven 11 Conn "Isomode"
Manhattan—See Raybestos-Manhattan, Inc Manhattan Rubber Div.
National—See Wheel Parts & Mfg Co
Ohio Rubber Co., 300 Ben Hur Ave., Willoughby, Ohio. "Orco."
Orco—See Ohio Rubber Co.
Parco—See Parts Mfg Co
Parts Mfg Co 311 W 66 St N Y 23 N Y "Parco"
Perfect Parts Inc 43 W 23rd St N Y 10 N Y
Preferred Electric & Wire Co Bush Terminal Bldg No 8 Brooklyn 32 N Y
Raybestos-Manhattan, Inc., Manhattan Rubber Div., 61 Willet St., Passaic, N. J. "Manhattan."
Roberts Toledo Rubber Co 4143 Monroe St Toledo 13 Ohio

MOUNTINGS, Rubber Insulated—continued

Rodic Chemical & Rubber Corp Allen Ave New Brunswick N J
Rubberflex—See Bushings Inc
Silentbloc—See General Tire & Rubber Co and Clevite Harris Products Inc
Standard Products Co 2130 W 110th St Cleveland 2 Ohio
Stillman Rubber Co 5811 Marilyn Ave Culver City Calif
Tuftex—See Anchor Rubber Products Div of Anchor Industries Inc
United States Rubber Co., Rockefeller Center, 1230 Ave. of the Americas, New York 20, N. Y. (Engine.)
Wheel Parts & Mfg Co 852 Fourth Ave N Y 10 N Y "National"
Wohlert Corp 700 E Grand River Ave Lansing 5 Mich

MUFFLER CLAMPS—See Clamps, Muffler

MUFFLER PARTS—See Parts, Muffler

MUFFLERS, Exhaust (Auto, Truck and Bus)

AP Parts Corp., AP Bldg., 1801 Spielbusch Ave., Toledo 1, Ohio. (For autos, buses, trucks and tractors.)
ATI—See Alexander-Tagg Industries Inc
Alexander-Tagg Industries Inc Jacksonville Rd & Summit Ave Hatboro Pa "ATI" (Truck and bus)
Almquist Engrg Co Milford Pa "Twin-Tone"
Arvin Industries Inc 13th St & Big Four RR Columbus Ind
Clayton Mfg Co 401 N Temple City Blvd El Monte Calif "Clayton Clearair" (Bus and truck)
Coachcraft Ltd 9015 Santa Monica Blvd Hollywood 46 Calif (Truck)
Compo Corp Definance Ohio
De Koven Mfg Co 1201 Michigan Blvd Racine Wis "Pacemaker" & "Soundmaster"
Donaldson Co 666 Pelham Blvd St Paul 14 Minn. (Truck.)
Douglas Muffler Mfg Corp 5636 Shull St Bell Gardens Calif
Dyna-Glas—See Goerlich's
Dynatone—See Goerlich's
Ero Mfg. Co., 714 W. Monroe St., Chicago, Ill.
Fifty Plus Five Corp 214 Definance St West Unity Ohio (For Buick, Oldsmobile and Pontiac cars)
Goerlich's, 619 Smith St Toledo 1 Ohio "Dynatone" "Goerlich" "Dyna-Glas" "Silentone" "Par"
Goldtone—See Ohio Parts Inc
Grand Automotive Products 2055 N Ruby St Melrose Park Ill "Quiet Tone"
Haviland Co Arnold 1008 S Jackson St Defiance Ohio "O K" & "Sportsman"
Hayes Industries, Inc., Wildwood and Fern Aves., Jackson, Mich.
Hy-Power—See Lion Auto Parts & Mfg. Co.
International Parts Corp 4101 W 42nd Pl Chicago 32 Ill "Midas"
Lion Auto Parts & Mfg. Co., 1920 S. Michigan Ave., Chicago 16, Ill. "Hy-Power."
McCord Corp Riopelle at E Grand Blvd Detroit 11 Mich
MacKenzie Muffler Co 460 N Meridian Rd Youngstown 9 Ohio
Maremont Muffler Div of Mar Pro Inc 168 N Michigan Ave Chicago 1 Ill (Auto truck and bus)
Merit—See Goerlich's
Midas—See International Parts Corp
Nelson Muffler Corp Stoughton Wis (For buses trucks and tractors)
Northern Tube Co Pinconning Mich
O. K.—See Arnold Haviland Co.
Ohio Parts Inc 307 Perry St Defiance Ohio "Ohio Pep" "Goldtone"
Oldberg Mfg. Co., 620 N. Seventh St., Grand Haven, Mich.
Pacemaker—See De Koven Mfg Co
Par—See Goerlich's
Porter Muffler Mfg Co 11820 W Olympic Blvd Los Angeles 64 Calif
Powell Muffler Co 4235 W 42nd Pl Chicago 32 Ill "Powell"
Pratt Muffler Div of Mar Pro Inc 168 N Michigan Ave Chicago Ill
Quiet Tone—See Grand Automotive Products
Riker Mfg Inc 4901 Stickney Ave Toledo 12 Ohio (For trucks and buses)
Silencers—See Walker Mfg Co of Wis
Silentone—See Goerlich's
Smithy's Muffler Co 6009 S Malt Ave Los Angeles 22 Calif
Soundmaster—See De Koven Mfg Co
Sportsman—See Arnold Haviland Co
Teck Industries 679 Oakland Park Ave Columbus Ohio (Truck and bus)
Twin-Tone—See Almquist Engrg Co
Walker Mfg Co of Wis 1201 Michigan Blvd Racine Wis "Silencers" (Individually tuned)

MUFFLERS, INTAKE CARBURETOR — See Silencers, Carburetor Intake

NAME PLATES — See Plates, Name (Metal and Plastic)

NEOPRENE RUBBER—See Rubber, Synthetic

NIBBLERS, Portable Electric

Black & Decker Mfg Co 629 Pennsylvania Ave Towson 4 Md
Buckeye Tools Corp 5005 Springboro Pike Dayton 9 Ohio
Fenway Machine Co 3107 N Broad St Philadelphia Pa
Modern Mfg Co 680 Davisville Rd Willow Grove Pa

NIBBLERS, Portable Pneumatic

Fenway Machine Co 3107 N Broad St Philadelphia Pa
Modern Mfg Co 680 Davisville Rd Willow Grove Pa

NICKEL CASTINGS—See Castings, Nickel; also Castings, Nickel-Chromium

NICKEL-CHROMIUM ALLOYS—See Alloys, Nickel-Chromium

NICKEL-CHROMIUM (Sheets, Strips and Rods)

Driver-Harris Co 201 Middlesex St Harrison N J "Nichrome" (Rod wire and strip)
Nichrome—See Driver-Harris Co.

NICKEL, Electrolytic

International Nickel Co 67 Wall St N Y 5 N Y "Inco"

NICKEL, Pig and Shot

(For alloying with steel, cast iron and other non-ferrous metals)

Belmont Smelting & Refining Works 326a Belmont Ave Brooklyn N Y
Falls—See Niagara Falls Smelting & Refining Div Continental-United Industries Co
Inco—See International Nickel Co
International Nickel Co 67 Wall St New York 5 N Y "Inco"
Niagara Falls Smelting & Refining Div Continental-United Industries Co 2204 Elmwood Ave Buffalo N Y "Falls" (Shot)

NICKEL, Sheets, Strips, Rods

Alloy—See H K Porter Co
Inco—See International Nickel Co.
International Nickel Co., 67 Wall St., New York 5, N. Y. "Inco."
Porter Co H K Riverside-Alloy Metal Div Pavilion Ave Riverside N J "Alloy" (Wire rod and strip)

NICKEL-SILVER

American Brass Co 414 Meadow St Waterbury 20 Conn "Anaconda"
Anaconda—See American Brass Co.
Belmont Smelting & Refining Works, 326a Belmont Ave., Brooklyn, N. Y.
Bridgeport Brass Co 30 Grand St Bridgeport 2 Conn
Chicago Extruded Metals Co., 1602 S. 54th Ave., Cicero 50, Ill. (Rods.)
Plume & Atwood Mfg Co Main St Thomaston Conn
Porter Co H K Riverside-Alloy Metal Div Pavilion Ave Riverside N J "Riverside" (Sheet strip rod and wire)
Riverside—See H K Porter Co
Scovill Mfg. Co., 99 Mill St., Waterbury 20, Conn. (Sheet, rod & wire.)
Seymour Mfg. Co., 15 Franklin St., Seymour Conn. (Sheets, strips, wire and rods.)

NICKEL SILVER TUBING — See Tubing, Nickel Silver

NOZZLES, Air

(Blow guns for blowing dust and dirt)

Acme Air Appliance Co 205 Newman St Hackensack N J
Aero-Motive Mfg. Co., 1803 Alcott St., Kalamazoo 24, Mich. "Zoo."
Amseco Inc 145 S Monterey Ave Villa Park Ill
Aro Equipment Corp Bryan Ohio
Barmotive Products Inc 440 Peralta Ave San Leandro Calif "Nelson"
Binks Mfg Co 3120 Carroll Ave Chicago 12 Ill
Bridgeport Brass Co 30 Grand St Bridgeport 2 Conn
Bully—See Superior Pneumatic & Mfg Co
Cadillac—See Clements Mfg Co
Champion Pneumatic Machinery Co 835 N Pleasant St Princeton Ill
Cleco Div of Reed Roller Bit Co 5125 Clinton Dr Houston 1 Texas
Clements Mfg Co 6650 S Narragansett Ave Chicago Ill "Cadillac"
Decora Mfg. Co., 1516 Park Ave., Emeryville 8, Calif.
Diamond-U Products, 8459 Dearborn Ave., South Gate, Calif.
Druge Bros Mfg Co 888 92nd Ave Oakland 3 Cal "Tru-Flate" (Sole distributor Tru-Flate Inc 888 92nd Ave Oakland 3 Cal)
Dutton-Lainson Co., Mfg. Div., Hastings, Neb. "Golden Rod."
Golden Rod—See Dutton-Lainson Co., Mfg Div.
Grayson Tool Co., 1412 W. Second St., Hastings, Neb.
Imperial Brass Mfg Co 6300 W Howard St Chicago 31 Ill
Lincoln Engrg Co 4010 Goodfellow Blvd St Louis 20 Mo
Lonn Mfg Co 2017 W 18th St Indianapolis 7 Ind
National Machine & Tool Co., 4077 Page Ave., Jackson, Mich.
Nelson—See Barmotive Products Inc
Norgren Co C A 3400 S Elati St Englewood Calif
Paasche Airbrush Co., 1909 Diversey Parkway, Chicago 14, Ill.
Planet Metal Products Corp 964 Dean St Brooklyn 38 N Y
Romort Mfg. Co., Oakfield, Wis.
Schrader's Son Div of Scovill Mfg Co A 470 Vanderbilt Ave Brooklyn 38 N Y
Sharpe Mfg. Co., 1224 Wall St., Los Angeles 15, Cal.
Sherman Mfg. Co., H. B., 22 Barney St. Battle Creek, Mich.
Sprayit—See Thomas Industries Inc Electric Sprayit Div
Superior Pneumatic & Mfg Co 4758 Warner Rd Cleveland 25 Ohio "Bully"
Thomas Industries Inc Electric Sprayit Div 14th & Illinois Sts Sheboygan Wis "Sprayit"
Tru-Flate—See Druge Bros. Mfg. Co.
Universal Lubricating Systems, Inc., 747 Allegheny Ave., Oakmont, Pa.
Zoo—See Aero-Motive Mfg. Co.

NUT RETAINERS—See Retainers, Nut

NUT SOCKETS—See Sockets, Nut

NUT WIRE—See Wire, Nut

NUTS

Aluminum Co of America 1501 Alcoa Bldg Pittsburgh 19 Pa
Anti-Corrosive Metal Products Co Castleton-on-Hudson N Y (Stainless steel)
Atlas Bolt & Screw Co 1130 Ivanhoe Rd Cleveland 10 Ohio
Attwood Brass Works Inc 303 Douglas St N W Grand Rapids Mich (Cap)
Chicago Screw Co Div of Standard Screw Co 2701 Washington Blvd Bellwood Ill "Stanscrew"
Elco Tool & Screw Corp 1111 Samuelson Rd Rockford Ill
Hartford Machine Screw Co P O Box 1440 Hartford 2 Conn "Stanscrew"
National Machine Products Co 44225 Utica Rd Utica Mich "Seez-Pruf" (Hexagon)
Republic Steel Co 1441 Republic Bldg Cleveland 1 Ohio
Rockford Screw Products Co 2501 Ninth St Rockford Ill
Russell, Burdsall & Ward Bolt & Nut Co Port Chester N Y
Seez-Pruf—See National Machine Products Co
Southern Screw Co 125 Barkley Rd Statesville N C
Stanscrew—See Chicago Screw Co Div; Hartford Machine Screw Co; and Western Automatic Machine Screw Co
Western Automatic Machine Screw Co 377 Woodland Ave Elyria Ohio "Stanscrew"
Wood & Spencer Co 1930 E 61st St Cleveland 3 Ohio

NUTS, Acorn

Fischer Special Mfg. Co., Morgan & Dover Sts., Cincinnati, Ohio. "Turned."
GRC—See Gries Reproducer Corp

Greer Stop Nut Co 2622 W Flournoy St Chicago 12 Ill
Gries Reproducer Corp Beechwood Ave & Second St New Rochelle N Y "GRC"
Hillco—See Hill Nut Co
Hill Nut Co., 2620 W. Flournoy St., Chicago 12, Ill. "Hillco."
Lamson & Sessions Co 5000 Tiedeman Rd Cleveland 9 Ohio
National Screw & Mfg Co 2440 E 75th St Cleveland 4 Ohio
Palnut Co 54a Glen Rd Mountainside N J
Peerless Automatic Machine Co., 1970 W. 77th St., Cleveland 2, Ohio.
Turned—See Fischer Special Mfg. Co.
United Screw & Bolt Corp., 3590 W. 58th St., Cleveland, Ohio.

NUTS, Lock and Self-Locking

(For lock washers—See Washers, Lock)

Allen Mfg Co Drawer 570 Hartford 1 Conn "Allenut"
Anco—See Automatic Nut Corp.
Automatic Nut Corp 16th & Willow Sts Lebanon Pa "Anco"
Banc-Lok—See Boots Aircraft Nut Corp
Boots Aircraft Nut Corp Newton Turnpike Norwalk Conn "Hek-Lok" "Trilok" "Plate-Lok" "Banc-Lok" (Self-locking)
Boss Bolt & Nut Co., 3403 W. 47th St., Chicago 32, Ill.
Buffalo Bolt Co Div of Buffalo-Eclipse Corp 101 East Ave North Tonawanda N Y "Circle B"
Carr Fastener Co 31 Ames St Cambridge Mass "V-Lock Teenut" "Dot Teenut"
Champ-Items Inc 6191 Maple Ave St Louis 14 Mo "Champloc"
Circle B—See Buffalo Bolt Co
Cleveland Cap Screw Co 4444 Lee Rd Cleveland 28 Ohio
Conelok—See National Machine Products Co; also National Screw & Mfg Co
Continental Screw Co 100 Mt Pleasant St New Bedford Mass
Delron Co 5224 Southern Ave South Gate Calif "Dura-Loc" (Self-locking high temperature for manifolds superchargers etc)
Dot Teenut—See Carr Fastener Co
Drake—See National Screw & Mfg Co
Dura-Loc—See Delron Co
Eaton Mfg. Co. (Reliance Spring Washer Div.), Massillon, Ohio.
Elastic Stop Nut Corp. of America, 2330 Vauxhall Rd., Union, N. J. "Esna." (Self-locking.)
Esna—See Elastic Stop Nut Corp. of America.
Federal Screw Works 3401 Martin St Detroit 10 Mich
Flexloc—See Standard Pressed Steel Co.
GRC—See Gries Reproducer Corp
General Pressed Metal Corp 926 Wolf St Syracuse 8 N Y
Greer Stop Nut Co 2622 W Flournoy St Chicago 12 Ill
Gries Reproducer Corp Beechwood Rd & Second St New Rochelle N Y "GRC" (Nylon insert)
Grip Nut Co South Whitley Ind "Gripco Hi-Nut"
Gripco Hi-Nut—See Grip Nut Co
Hex-Lok—See Boots Aircraft Nut Corp
Hillco—See Hill Nut Co
Hill Nut Co., 2620 W. Flournoy St., Chicago 12, Ill. "Hillco."
Huglock—See National Machine Products Co also National Screw & Mfg Co
Lamson & Sessions Co 5000 Tiedeman Rd Cleveland 9 Ohio
Link-Belt Co Dept 59-AIPG Prudential Plaza Chicago 1 Ill (For locking bearings on shaft)
LoKuts—See Shakeproof Div of Illinois Tool Works
M-F—See MacLean-Fogg Lock Nut Co
MacLean-Fogg Lock Nut Co 5535 N Wolcott Ave Chicago 40 Ill "M-F"
Marsden—See National Machine Products Co.; National Screw & Mfg Co also Russell, Burdsall & Ward Bolt & Nut Co
National Machine Products Co 44225 Utica Rd Utica Mich "Conelok" "Huglock" & "Marsden"
National Screw & Mfg. Co., 2440 E. 75th St. Cleveland 4, Ohio. "Conelok," "Drake," "Marsden," "Huglock."
Nylok Corp E 611 **Industrial Ave Paramus** N J
Nylok—See Nylok Corp; also Townsend Co
P-M—See Waterbury Pressed Metal Co
Palnut Co 54a Glen Rd Mountainside N J (Locking)
Plate-Lok—See Boots Aircraft Nut Corp
Prestole Corp 1351 Miami St Toledo 5 Ohio
Republic Steel Corp 1441 Republic Bldg Cleveland 1 Ohio "Republic Nylok" (Licensors)
Russell, Burdsall & Ward Bolt & Nut Co., Port Chester, N. Y. "Marsden." "Tri-Slot," (Licensees); "Tensilock" (Licensors)
SKF Industries, Inc., Front St. & Erie Ave., Philadelphia 32, Pa. (Lock.)
Security Locknut Corp 1800 N 15th Ave Melrose Park Ill
Shakeproof Div of Illinois Tool Works St Charles Rd Elgin Ill "LoKuts"
South Chester Corp Southco Div 228 Industrial Highway Lester Pa
Speed Nuts—See Tinnerman Products, Inc.
Standard Locknut & Lockwasher Co 2250 Valley Ave Indianapolis 18 Ind (For ball and roller bearings)
Standard Pressed Steel Co P O Box 395 Jenkintown Pa "Flexloc" (Self-locking)
Tensilok—See Russell Burdsall & Ward Bolt & Nut Co
Tinnerman Products Inc 8700 Brookpark Rd Cleveland Ohio "Speed Nuts" (Self locking)
Townsend Co Engineered Fasteners Div P O Box 70 Ellwood City Pa "Nylok"
Trilok—See Boots Aircraft Nut Corp
Tri-Slot—See Russell, Burdsall & Ward Bolt & Nut Co.
Truarc—See Waldes Kohinoor Inc
United-Carr Fastener Corp Statler Office Bldg Boston 16 Mass "V-Lock-Teenut"
United Screw & Bolt Corp., 3590 W. 58th St., Cleveland, Ohio.
V-Lock-Teenut—See Carr Fastener Co; also United-Carr Fastener Corp
Waldes Kohinoor Inc 47-16 Austel Pl Long Island City 1 N Y "Truarc" (Self-locking)
Waterbury Pressed Metal Co 300 Chase Ave Waterbury Conn "P-M"
Whittet-Higgins Co., P. O. Box 1613, Providence 1, R. I. (Lock, for ball and roller bearings.)

NUTS, Self-Threading

Palnut Co 54a Glen Rd Mountainside N J

NUTS, Welding

Buffalo Bolt Co Div of Buffalo-Eclipse Corp 101 East Ave North Tonawanda N Y "Circle B"
Circle B—See Buffalo Bolt Co
Gripco—See Grip Nut Co
Grip Nut Co South Whitley Ind "Gripco"
MacLean-Fogg Lock Nut Co 5535 N Wolcott Ave Chicago 40 Ill
Midland-Ross Corp Owosso Div 490 S Chestnut St Owosso Mich
Midland-Ross Corp Weld Nut Div 6660 Mt Elliott Ave Detroit 11 Mich
National Screw & Mfg Co 2440 E 75th St Cleveland 4 Ohio

NUTS, Wing

Allmetal Screw Products Co 821 Stewart Ave Garden City N Y (Stainless steel)
Anti-Corrosive Metal Products Co Castleton-on-Hudson N Y (Stainless steel)
Attwood Brass Works Inc 303 Douglas St NW Grand Rapids Mich
Autoscrew Co., 216 W. 18th St., New York, N. Y.
Billings & Spencer Co., 1 Laurel St., Hartford 1, Conn.
Central Screw Co., 3501 S. Shields Ave., Chicago 9, Ill.
Clark Bros Bolt Co Canal St Milldale 1 Conn
Continental Screw Co 100 Mt Pleasant St New Bedford Mass "Holtite"
Fischer Special Mfg Co Morgan & Dover Sts Cincinnati 6 Ohio (Aluminum and bronze)
Greer Stop Nut Co 2622 W Flournoy St Chicago 12 Ill
Gries Reproducer Corp 780 E 133rd St N Y 54 N Y
Hercules Fastener Corp 2722 N Clybourn Ave Chicago 14 Ill "Sturdi-Bolt"
Hillco—See Hill Nut Co
Hill Nut Co., 2620 W. Flournoy St., Chicago 12, Ill. "Hillco."
Holtite—See Continental Screw Co.
Keystone Forging Co., Northumberland, Pa.
Lamson & Sessions Co 5000 Tiedeman Rd Cleveland 9 Ohio
National Screw & Mfg Co 2440 E 75th St Cleveland 4 Ohio
Palnut Co 54a Glen Rd Mountainside N J
Parker-Kalon Div Great American Transportation Corp Clifton N J
Reed & Prince Mfg. Co., 1 Duncan Ave., Worcester 1, Mass.
Sterling Bolt Co 363 W Erie St Chicago 10 Ill
Sturdi-Bolt—See Hercules Fastener Corp
United Screw & Bolt Corp., 3590 W. 58th St., Cleveland, Ohio.
Williams & Co., J. H., 400 Vulcan St., Buffalo 7, N. Y.

NYLON YARN—See Yarn, Nylon

ODOMETERS—See Meters or Odometers, Distance Recording

OIL ADDITIVES—See Additives, Oil and Lubricant

OIL COOLERS—See Coolers, Oil

OIL COOLERS, Engine—See Regulators, Temperature

OIL CUPS—See Cups, Oil

OIL FILTERS—See Filters, Oil (For Attaching to Engines); Separators, Chip; Strainers, Oil

OIL GAGES—See Gages, Oil Pressure; also Gages, Oil Level

OIL AND GREASE ABSORBENTS (Floor)—See Absorbents, Oil & Grease (Floor)

OIL GUNS—See Lubricators, Hand

OIL HOLE COVERS—See Covers, Oil Hole

OIL LEVEL CONTROLS—See Controls, Oil Level

OIL LEVEL SIGNALS—See Signals, Oil Level

OIL LINE TUBING—See Tubing, Oil and Gasoline Line

OIL PANS—See Pans, Engine

OIL PURIFIERS—See Filters, Oil (For Attaching to Engines)

OIL RECTIFIERS—See Filters, Oil (For Attaching to Engines)

OIL RETAINING RINGS & SEALS—See Rings & Seals, Oil & Grease Retaining; also Washers, Felt

OIL STRAINERS—See Strainers

OIL TEMPERATURE INDICATING GAGES—See Gages, Oil Temperature Indicating

OIL TESTING INSTRUMENTS—See Viscosimeters

OILERS, Sight Feed

Gits Bros Mfg Co 1846 Kilbourn Ave Chicago 23 Ill

OILS, CUTTING—See Compounds, Cutting Fluid

OILS, Engine

Socony-Mobile Oil Co 150 E 42nd St New York N Y "Delvac" "Mobiloil" "Sovac"

OILS, HYDRAULIC—See Fluid, Hydraulic

OILS, Lubricating

Alemite—See Stewart-Warner Corp Alemite Div
Atlantic—See Standard Oil Co (Indiana)
Champlin Oil & Refining Co Box 9365 Fort Worth Tex
Condor—See Phillips Petroleum Co
DSL—See Davis-Howland Oil Corp
Davis-Howland Oil Corp 333 South Ave Rochester 20 N Y "DSL"
Delta Oil Products Corp 6263 N Teutonia Ave Milwaukee 9 Wis
Esso Standard Oil Co 15 W 51st St New York 19 N Y "Handy Oil"
Handy Oil—See Esso Standard Oil Co
Indoil—See Standard Oil Co (Indiana)
International Lubricant Corp Southport Jefferson Parish La
Macmillan Petroleum Corp 530 W Sixth St Los Angeles 14 Calif
Pennzoil Co of Calif 1630 W Olympic Blvd Los Angeles 15 Calif
Phillips Petroleum Co Bartlesville Okla "Condor"
Sinclair Refining Co 600 Fifth Ave New York 20 N Y
Standard Oil Co of California Western Operations Inc 225 Bush St San Francisco 20 Calif
Standard Oil Co (Indiana) 910 S Michigan Ave Chicago 80 Ill "Atlantic" "Indoil" "Stanoil" "Stanolex" "Stanway" "Superla"
Stanoil—See Standard Oil Co (Indiana)
Stanolex—See Standard Oil Co (Indiana)
Stanway—See Standard Oil Co (Indiana)
Superla—See Standard Oil Co (Indiana)
Stewart-Warner Corp Alemite Div 1826 Diversey Parkway Chicago 14 Ill "Alemite"
Sun Oil Co 1608 Walnut St Philadelphia 3 Pa "Sunoco Dynavis" "Sunoco Ocnus HD" "Sunoco Suntune"
Sunoco Dynavis—See Sun Oil Co
Sunoco Ocnus HD—See Sun Oil Co
Sunoco Suntune—See Sun Oil Co
Texaco Inc 135 E 42nd St New York 17 N Y
Valvoline Oil Co Div of Ashland Oil & Refining Co Third Ave & Sixth St Freedom Pa

OILS, PENETRATING—See Compounds, Rust Preventing and Removing

OILY WASTE CANS—See Cans, Oily Waste

OPENERS, Bus Door

Bendix Products Div Bendix Aviation Corp South Bend 20 Ind
Cleveland—See H K Porter Co
Eberhard Mfg Co Div Eastern Malleable Iron Co 2734 Tennyson Rd Cleveland 4 Ohio (Manual)
Midland-Ross Corp Owosso Div 490 S Chestnut St Owosso Mich (Air and electro-pneumatic)
NP—See National Pneumatic Co
National Pneumatic Co 125 Amory St Boston 19 Mass "NP"
Porter Co H K Forge & Fittings Div Cleveland Forge Works 3200 E 79th St Cleveland 4 Ohio "Cleveland"

OPTICAL PROJECTORS—See Projectors, Optical (Contour)

ORNAMENTS, Radiator and Hood

(See also Monograms, Initials and Emblems, Ornamental)

Alco—See American Insulator Corp
American Insulator Corp., New Freedom, Pa. "Alco"
Fortune Mfg Co 61 E 24th St Chicago 16 Ill "Gleam" (Hood)
Fox Co., 3400 Beekman St., Cincinnati 23, Ohio.
Gem Mfg Co 2535 South State St Chicago 16 Ill
Gleam—See Fortune Mfg Co
International Mfg Co 2512 Washington St Roxbury 19 Mass "Rayline" (For Chevrolet cars)
Perfection Automotive Products Corp 925 W Elizabeth St Detroit 1 Mich
Rayline—See International Mfg Co

OVEN TRUCKS—See Trucks, Oven

OVENS, Brake Lining Bonding

Huppert Co H K 6830 Cottage Grove Ave Chicago 37 Ill (Electric)
Lapeer Mfg Co 3056 Davison Rd Lapeer Mich

OVENS, Core Baking

Coleman—See Foundry Equipment Co
Continental Industrial Engineers Inc 176 W Adams St Chicago 3 Ill
Drying Systems Co 1810½ Foster Ave Chicago 40 Ill "Dry-Sys"
Dry Sys—See Drying Systems Co
Foundry Equipment Co 1831 Columbus Rd Cleveland 13 Ohio "Coleman"
Gas Appliance Service Inc 1940 W Balmoral Ave Chicago 40 Ill
Hill & Griffith Co., 1262 State St., Cincinnati 4, Ohio.
Induction Heating Corp., 181 Wythe Ave., Brooklyn 11, N. Y.
K & B—See Kirk & Blum Mfg Co
Kirk & Blum Mfg Co 3120 Forrer St Cincinnati 9 Ohio "K & B"
Mahon Co R C 6565 E 8 Mile Rd Detroit 34 Mich
Ransohoff Inc N 5th at Ford Blvd Hamilton Ohio
Ross Engrg Div Midland-Ross Corp J O 730 Third Ave New York 17 N Y
Sly Mfg Co W W 4706 Train Ave Cleveland Ohio
Steiner-Ives Co Springfield Rd Union N J
Stevens Inc Frederic B 1800 18th St Detroit 16 Mich

OVENS, Enameling and Lacquering

Ace—See Acme Conveyor & Oven Co
Acme Conveyor & Oven Co 31465 W 8 Mile Rd Livonia Mich "Ace" (Infra-red and convection)
Ajax Electrothermic Corp., Ajax Park, Trenton, N. J. "Ajax-Northrup."
Binks Mfg Co 3120 Carroll Ave Chicago 12 Ill (Portable)
Blue M Electric Co 138th & Chatham Sts Blue Island Ill (Electric)
Burdett Mfg Co 4920 S Monitor St Chicago 38 Ill
Cincinnati Cleaning & Finishing Machinery Co 317 Hecla St Ironton Ohio
Continental Industrial Engineers, Inc., 176 W. Adams St., Chicago 3, Ill.
Cooley Electric Mfg Corp 38 S Shelby St Indianapolis 7 Ind (Enameling)
De Vilbiss Co 300 Phillips Ave Toledo 1 Ohio
DeVilbiss Metal Fabricators Co 17900 Ryan Rd Detroit 12 Mich
Dry Clime Lamp Corp 410 Mill St Greensburg Ind "Dry Quick"
Drying Systems Co 1810½ Foster Ave Chicago 40 Ill "Dry-Sys"
Dry Quick—See Dry Clime Lamp Corp
Dry-Sys—See Drying Systems, Inc.
Durabake—See Fostoria Pressed Steel Corp
Evenray—See Fostoria Pressed Steel Corp
Fostoria Pressed Steel Corp N Main St Fostoria Ohio "Durabake" "Evenray" (Infra-red)
Gas Appliance Service 1940 W Balmoral Ave Chicago Ill
Industrial Washing Machine Corp 32 Main St Matawan N J
Jensen Inc 9331 Freeland St Detroit 28 Mich (Infra red portable and stationary)
K & B—See Kirk & Blum Mfg. Co.
Kirk & Blum Mfg Co 3120 Forrer St Cincinnati 9 Ohio "K & B"
M & E Mfg Co 2571 Winthrop Ave Indianapolis 5 Ind
Mahon Co R C 6565 E 8 Mile Rd Detroit 34 Mich
Rockwell Co W S 200 Eliot St Fairfield Conn
Ross Engrg Div Midland-Ross Corp J O 730 Third Ave New York 17 N Y
Sly Mfg Co W W 4706 Train Ave Cleveland Ohio
Steiner-Ives Co Springfield Rd Union N J
Young Bros Co 1831 Columbus Rd Cleveland 13 Ohio

OVENS, Molded Products

(For brake lining, armature baking, etc.)

Continental Industrial Engineers Inc 176 W Adams St Chicago 3 Ill
Drying Systems Co 1810½ Foster Ave Chicago 40 Ill
Kirk & Blum Mfg Co 3120 Forrer St Cincinnati 9 Ohio "K & B"
Mahon Co R C 6565 E 8 Mile Rd Detroit 34 Mich
Ross Engrg Div Midland-Ross Corp J O 730 Third Ave New York 17 N Y
Stiner-Ives Co Springfield Rd Union N J
Young & Bertke Co 2212 Buck St Cincinnati 22 Ohio
Young Bros Co 1831 Columbus Rd Cleveland 13 Ohio

OVERHEAD CONVEYORS — See Conveyors, Overhead; also Systems, Overhead Carrying

OVERLOAD RELAYS—See Relays, Overload (Adjustable)

OXYGEN GAS—See Gas, Oxygen (In Cylinders and Tanks)

PACKING, Asbestos

Acme Mfg. & Gasket Co., 738 N. 41st St., Philadelphia 4, Pa.
Alabestos—See Consolidated Packing & Supply Co.
Anchor Packing Co., 401 N. Broad St., Philadelphia 8, Pa.
Asbestocork—See Victor Mfg & Gasket Co
Asbestopac—See Victor Mfg & Gasket Co
Asbestopak—See Felt Products Mfg. Co.
Asbestoprene—See Victor Mfg & Gasket Co
Asbestos Textile Co., 165 W. Wacker Drive, Chicago 1, Ill. "Aztec," "Tuftex."
Atlas Asbestos Co 469 Walnut St North Wales Pa (Twisted valve stem)
Auburn Mfg Co Pease Ave & Stack St Middletown Conn
Aztec—See Asbestos Textile Co
Colt's Plastics Co P O Box 507 North Grosvenordale Conn "Vulcabeston"
Consolco—See Consolidated Packing & Supply Co
Consolidated Packing & Supply Co 37-39 Murray St N Y 7 N Y "Wisold" "Alabestos" "Consolco"
Corbestos—See Victor Mfg & Gasket Co
Corpac—See Victor Mfg & Gasket Co
Crane Packing Co 6435 Oakton St Norton Grove Ill
Darcold Co., 145 Sixth Ave., New York 13, N. Y. "Dominion," "Petrolite," "Rodtite," "Sovereign."
Detroit Gasket & Mfg. Co., 12640 Burt Rd. Detroit 23, Mich. "Springrite."
Dominion—See Darcold Co.
Felt Products Mfg Co 7450 N McCormick Blvd Skokie Ill "Grafel" "Asbestopak"
Ferroprene—See Victor Mfg & Gasket Co
Firestone Tire & Rubber Co 1200 Firestone Parkway Akron 17 Ohio
Fitzgerald Mfg. Co., 691 Main St., Torrington, Conn.
Garlock Packing Co., 402 Main St., Palmyra, N. Y.
Gasket Packing & Specialty Co 41 N Saxon Ave Bay Shore L I N Y "Klingtite" "Klingerit"
Gatke Corp., 228 N. LaSalle St., Chicago 1, Ill.
Goodyear Tire & Rubber Co., E. Market St., Akron 16, Ohio.
Grafel—See Felt Products Mfg. Co.
Greene, Tweed & Co., North Wales, Pa. "Palmetto."
Johns-Manville 22 E 40th St New York 16 N Y ("Mogul"; "Service" sheet)
Keystone Gasket Mfg Co 833 N Fourth St Philadelphia 23 Pa
Klingerit—See Gasket Packing & Specialty Co.
Klingtite—See Gasket Packing & Specialty Co.
Manhattan Rubber Div. of Raybestos-Manhattan, Inc., 61 Willet St., Passaic, N. J.
Meirath Supply & Gasket Co., Tioga & Memphis Sts., Philadelphia 34, Pa.
Mogul—See Johns-Manville
Palmetto—See Greene-Tweed & Co
Perfect Parts Inc 43 W 23 St N Y 10 N Y
Petrolite—See Darcold Co
Porter Co H K Thermoid Div 200 Whitehead Rd Trenton 6 N J
R/M—See Raybestos-Manhattan Inc Packing Div
Raybestos Div of Raybestos-Manhattan Inc 75 E Main St Stratford 2 Conn
Raybestos-Manhattan Inc General Asbestos & Rubber Div North Charleston S C
Raybestos-Manhattan Inc Packing Div 61 Willet St Passaic N J "R/M" (Also rubber-asbestos)
Republic Rubber Div Lee Rubber & Tire Corp Albert St Youngstown 1 Ohio
Rhopac Inc 3425 Cleveland St Skokie Ill
Rodtite—See Darcold Co.
Service—See Johns-Manville
Sovereign—See Darcold Co.
Springrite—See Detroit Gasket & Mfg. Co.
Thermoid—See H K Porter Co Thermoid Div
Tuftex—See Asbestos Textile Co.
United States Rubber Co., Rockefeller Center, 1230 Ave. of the Americas, New York 20, N. Y.
Velbestos—See Vellumoid Co.
Vellumoid Co., 54 Rockdale St., Worcester 6, Mass. "Velbestos"; "Wirebestos" (Wire woven)
Victor Mfg & Gasket Co 5750 W Roosevelt Rd Chicago 50 Ill "Asbestocork" "Asbestopac" "Asbestoprene" "Corbestos" "Corpac" "Ferroprene" "Victocor"
Victocor—See Victor Mfg & Gasket Co
Vulcabeston—See Colt's Plastics Co
Wirebestos—See Vellumoid Co.
Wisold—See Consolidated Packing & Supply Co.
World Bestos Div of Firestone Tire & Rubber Co 1112 S 25th St New Castle Ind

PACKING, Felt

Acme Mfg. & Gasket Co., 738 N. 41st St., Philadelphia 4, Pa.
Afco—See American Felt Co.
American Felt Co., Glenville, Conn. "Afco."
Auburn Mfg. Co., Pease Ave. & Stack St., Middletown, Conn.
Booth Felt Co 1726 Tenth Ave Brooklyn 15 N Y
Brawley Felt Co T B 272 20th St Brooklyn N Y
Commonwealth Felt Co., 74 Summer St., Boston 9, Mass. "Perfection."
Continental Felt Co 22 W 15th St N Y 11 N Y "Vel-Fel"
Felters Co., 219 South St., Boston 11, Mass.
Felt Products Mfg Co 7450 N McCormick Blvd Skokie Ill
Fitzgerald Mfg. Co., 691 Main St., Torrington Conn.
Keystone Gasket Mfg. Co., 833 N. Fourth St., Philadelphia 23, Pa.
Perfection—See Commonwealth Felt Co.
Rhopac Inc 3425 Cleveland St Skokie Ill
Vel-Fel—See Continental Felt Co
Western Felt Works 4021 W Ogden Ave Chicago 23 Ill

PACKING, Fibrous

Accopac—See Armstrong Cork Co
Acme Mfg. & Gasket Co., 738 N. 41st St., Philadelphia 4, Pa.
Algco—See Auburn Mfg Co
Alox Mfg. Co., 6160 Maple Ave., St. Louis 14 Mo. (Fibre and metal pump.)
Anchor Packing Co., 401 N. Broad St., Philadelphia 8, Pa. "Ankorite."
Ankorite—See Anchor Packing Co.
Armstrong Cork Co Industrial Div 7011 Imperial Ave Lancaster Pa "Accopac" (Sheet)
Auburn Mfg. Co., Pease Ave. & Stack St., Middletown, Conn. "Algco."

Cincinnati Rubber Mfg. Co., Franklin, Ave., Norwood, Cincinnati 12, Ohio. "Wampus," "Sandow."
Darcoid Co., 145 Sixth Ave., New York 13, N. Y. Kidskin.
Felt Products Mfg Co 7450 N McCormick Blvd Skokie Ill "Karropak" "Wirepak"
Fitzgerald Mfg Co 691 Main St Torrington Conn
Flexrock Co Packing Div 36th & Filbert Sts Philadelphia 4 Pa "Ray Pak" (Synthetic)
Garlock Packing Co 402 Main St Palmyra N Y
Greene Tweed & Co North Wales Pa "Palmetto"
Johns-Manville Corp 22 E 40th St New York 16 N Y "Seigelite"
Karropak—See Felt Products Mfg Co
Keystone Gasket Mfg Co 833 N Fourth St Philadelphia 23 Pa
Kidskin—See Darcoid Co
M & S—See Mitchell & Smith Inc
Minnesota Mining & Mfg Co 900 Fauquirer St St Paul 6 Minn "3-M"
Mitchell & Smith Inc 9469 Copeland Ave Detroit Mich "M & S"
Palmetto—See Greene Tweed & Co
Penn Fibre & Specialty Co 2024 E Westmoreland St Philadelphia 34 Pa
R/M—See Raybestos-Manhattan Inc
Raybestos - Manhattan Inc Packing Div 61 Willet St Passaic N J R/M
Ray Pak—See Flexrock Co Packing Div
Sandow—See Cincinnati Rubber Mfg Co
Seigelite—See Johns-Manville Corp
Sure-Rite—See Warehouse Dist Co
Vellumoid Co 54 Rockdale St Worcester 6 Mass "Velbuna" "Vellumoid" "Vellutex"
Vellutex—See Vellumoid Co
Victorite—See Victor Mfg & Gasket Co
Victor Mfg & Gasket Co 5750 W Roosevelt Rd Chicago 50 Ill "Victorite"
Wampus—See Cincinnati Rubber Mfg Co
Warehouse Distributing Co 3810 N 19th St Philadelphia 40 Pa "Sure-Rite"
Wirepak—See Felt Products Mfg Co

PACKING, Leather

Acme Mfg & Gasket Co 738 N 41st St Philadelphia 4 Pa
Air-Tight—See Marsh Co
Auburn Mfg Co Pease Ave & Stack St Middletown Conn
Burgess Leather Co A E Brigham Hill Rd Grafton Mass "Mellochrome"
Chibeco—See Chicago-Allis Corp
Chicago-Allis Mfg Corp 113 N Green St Chicago 7 Ill "Chibeco" "Reliance" "Flextan"
Chicago Rawhide Mfg Co 1301 Elston Ave Chicago 22 Ill "Sirvis" "Conpor"
Conpor—See Chicago Rawhide Mfg Co
Excelsior Leather Washer Mfg Co 720 Chestnut St Rockford Ill "X-L"
Felt Products Mfg Co 7450 N McCormick Blvd Skokie Ill
Fitzgerald Mfg Co 691 Main St Torrington Conn
Flextan—See Chicago-Allis Mfg Corp
Garlock Packing Co 402 Main St Palmyra N Y
Graton & Knight Co 356 Franklin St Worcester 4 Mass
Houghton & Co E F 303 W Lehigh Ave Philadelphia 33 Pa "Vim"
International Packing Corp Lake St Bristol N H
Krug Co North St Barnum Court Danbury Conn
Marsh Co Chas W 32 Hudson St Muskegon Mich "Marsh" "Thermo" "Air-Tight"
Mellochrome—See A E Burgess Leather Co
Reliance—See Chicago-Allis Mfg Corp
Rhoads & Sons J E 2100 W 11th St Wilmington 99 Del "Tannate"
Sirvis—See Chicago Rawhide Mfg Co
Sutherland Leather & Felt Co 743 Beaubien St Detroit Mich
Tannate—See J E Rhoads & Sons
Thermo—See Charles W Marsh Co
Trostel Packings Ltd Albert Lake Geneva Wis (Also "O" rings)
Vim—See Houghton & Co
Warren Belting Co 33 Arctic St Worcester 8 Mass
X-L—See Excelsior Leather Washer Mfg Co

PACKING, Metallic

Anchor Packing Co 401 N Broad St Philadelphia 8 Pa
Bearium Metals Corp Mill & Commercial Sts Rochester 14 N Y
Crane Packing Co 6435 Oakton St Morton Grove Ill "John Crane"
Fel-Pro—See Felt Products Mfg Co
Felt Products Mfg Co 7450 N McCormick Blvd Skokie Ill "Fel-Pro"
Fitzgerald Mfg Co 691 Main St Torrington Conn
Garlock Packing Co 402 Main St Palmyra N Y
Grapho Products Inc P O Box 8604 Lawrence Ind
John Crane—See Crane Packing Co
McCord Corp Riopelle at E Grand Blvd Detroit 11 Mich
R/M—See Raybestos-Manhattan Inc Packing Div
Raybestos-Manhattan Inc Packing Div 61 Willet St Passaic N J "R/M"
Sheet-Bronze Sealing Rings Co 540 S Meridian St Indianapolis 25 Ind
United States Rubber Co Rockefeller Center 1230 Ave of the Americas New York 20 NY

PACKING, PAPER—See Gaskets, Paper

PACKING, Plastic

Flexrock Co Packing Div 36th & Filbert Sts Philadelphia 4 Pa (O rings)
Tri-Point Plastics Inc 175 I W Willets Rd Albertson L I N Y (Teflon-O-rings)

PACKING, Plastic Metallic

Anchor Packing Co 401 N Broad St Philadelphia 8 Pa
Felt Products Mfg Co 7450 N McCormick Blvd Skokie Ill "Fel-Pro"
Garlock Packing Co 402 Main St Palmyra N Y
Greene, Tweed & Co North Wales Pa "Palmetto"
Palmetto—See Greene Tweed & Co
R/M—See Raybestos-Manhattan Inc Packing Div
R/N—See Raybestos-Manhattan Inc Plastic Products Div
Raybestos - Manhattan Inc Packing Div 61 Willet St Passaic N J "R/M"
Raybestos-Manhattan Inc Plastic Products Div Manheim Pa "R/N" (Also O-rings)

PACKING, Rubber

Acme Mfg & Gasket Co 738 N 41st St Philadelphia 4 Pa
Anchor Packing Co 401 N Broad St Philadelphia 8 Pa
Armstrong Cork Co Industrial Div 7011 Imperial Ave Lancaster Pa "Armstrong's"
Atlantic India Rubber Works Inc 571 W Polk St Chicago 7 Ill
Auburn Mfg Co Pease Ave & Stack St Middletown Conn
Automotive Products Div Crotty Corp 39 E Chicago Ave Quincy Mich
Boston Woven Hose & Rubber Co Cambridge Mass (P O Box 1071 Boston 3 Mass)
Bowling Green Rubber Corp 4143 Monroe St Toledo 13 Ohio
Buckeye Rubber Products Inc 637 N Jackson St Lima Ohio
Canfield Co H O 191 Housatonic Ave Bridgeport 1 Conn (O rings)
Chambers Gasket & Mfg Co 4701 W Rice St Chicago 51 Ill "Super-Rubber"
Chesterton Co A W 64 India St Boston Mass
Cincinnati Rubber Mfg Co Franklin Ave Norwood Cincinnati 12 Ohio "Norka"
Cleveland Gasket & Mfg Co 1610 W 116th St Cleveland 2 Ohio
Cohrlastic—See Connecticut Hard Rubber Co
Connecticut Hard Rubber Co 407 East St New Haven 9 Conn "Cohrlastic" (Silicone)
Consolidated Packing & Supply Co 37-39 Murray St N Y 7 N Y
Continental Rubber Works 1946 Liberty St Erie Pa
Cooper Mfg Co 411 S First Ave Marshalltown Iowa
Cranz Co J M 2671 Main St Buffalo 14 N Y
Darcoid Co 145 Sixth Ave New York 13 N Y "Dominion"
Dominion—See Darcoid Co
Fitzgerald Mfg Co 691 Main St Torrington Conn
Garlock Packing Co 402 Main St Palmyra N Y
Gasket Engrg Co 3125 Wyandotte St Kansas City 11 Mo
Gasket Packing & Specialty Co 41 N Saxon Ave Bay Shore L I N Y
Gasket Shop 231 Ritch St San Francisco Calif "Korkpak"
Goodrich Industrial Products Co B F 500 S Main St Akron 18 Ohio
Goodyear Tire & Rubber Co E Market St Akron 16 Ohio
Goshen Rubber Co 609 E Iowa St Goshen Ind (O rings gaskets etc)
Greene, Tweed & Co North Wales Pa "Palmetto"
Hewitt-Robins Inc 666 Glenbrook Rd Stamford Conn
Johnson Rubber Co Middlefield Ohio
Keystone Gasket Mfg. Co., 833 N. Fourth St., Philadelphia 23, Pa.
Korkpak—See Gasket Shop.
Kuehn Co N L 3747 N Booth St Milwaukee 12 Wis
Linear Inc State Rd & Levick St Philadelphia 35 Pa
Mechanical Rubber Product Co Warwick N Y
Meirath Supply & Gasket Co Tioga & Memphis Sts Philadelphia 34 Pa
Mercer Rubber Co Hamilton Square N J
Minnesota Rubber & Gasket Co 3630 Woodale Ave St Louis Park Minneapolis 16 Minn (O rings)
Mundet Cork Corp 7101 Tonnelle Ave North Bergen N J (Gaskets)
Neff-Perkins Co 33 Stage Ave Painesville Ohio (Gaskets)
Norka—See Cincinnati Rubber Mfg. Co.
Palmetto—See Greene Tweed & Co
Parker Seal Co 10567 Jefferson Blvd Culver City Calif (O rings)
R/M—See Raybestos-Manhattan Inc Packing Div
Raybestos - Manhattan Inc Packing Div 61 Willet St Passaic N J "R/M"
Rhopac Inc 3425 Cleveland St Skokie Ill
Roberts Toledo Rubber Co 4143 Monroe St Toledo 13 Ohio
Rubatex Div Great American Industries Inc Bedford Va
Stalwart Rubber Co 222 Northfield Rd Bedford Ohio
Standard Products Co 2130 W 110th St Cleveland 2 Ohio
Stillman Rubber Co 5811 Marilyn Ave Culver City Calif
Super-Rubber — See Chambers Gasket & Mfg Co
United Packing & Gasket Engrg Corp 5111 Ogden Ave Cicero 50 Ill
United States Rubber Co Rockefeller Center Ave of the Americas New York 20 N Y
Wisconsin Gasket & Manufacturing Co 8724 N Granville Rd Granville Wis

PACKING, Rubber (Synthetic)

Acadia Div Western Felt Works 4115 W Ogden Ave Chicago 23 Ill ("Gaskofelt"; "Westfeltopak" Synthetic rubber coated)
Arrowhead Products Div of Federal-Mogul-Bower Bearings Inc 11031 Shoemaker Rd Detroit Mich (O rings)
Buckeye Rubber Products Inc 637 N Jackson St Lima Ohio
Connecticut Hard Rubber Co 407 East St New Haven 9 Conn (Silicone)
Felt Products Mfg Co 7450 N McCormick Blvd Skokie Ill "Syntoflex"
Flexrock Co Packing Div 36th & Filbert Sts Philadelphia 4 Pa (O rings)
Garlock Packing Co 402 Main St Palmyra N Y
Gaskofelt—See Acadia Div., Western Felt Works.
Houghton & Co., E. F., 303 W. Lehigh Ave., Philadelphia 33, Pa. "Vix-Syn." (O-rings, etc.)
International Packing Corp Lake St Bristol N H
Johnson Rubber Co 111 Vine St Middlefield Ohio
Linear Inc State Rd & Levick St Philadelphia 35 Pa (O-rings)
Mechanical Rubber Products Co., Warwick, N. Y.
Minnesota Rubber Co 3060 Woodale Ave St Louis Park Minneapolis 16 Minn "Quad-Ring" (O-rings)
National Seal Div Federal-Mogul-Bower Bearings Inc Broadway at National Ave Redwood City Calif (Silicone O-rings)
Parco—See Plastic & Rubber Products Co
Plastic & Rubber Products Co 2100 Hyde Park Blvd Los Angeles 47 Calif "Parco" (O-rings)
Precision Rubber Products Corp 3110 Oakridge Drive Dayton 7 Ohio (O-rings)
Quad-Ring—See Minnesota Rubber Co
R/M—See Raybestos-Manhattan Inc
Raybestos Div of Raybestos-Manhattan Inc 75 E Main St Stratford 2 Conn
Raybestos - Manhattan Inc Packing Div 61 Willet St Passaic N J "R/M"
Roberts Toledo Rubber Co 4143 Monroe St Toledo 13 Ohio
Standard Products Co 2130 W 110th St Cleveland 2 Ohio
Syntoflex—See Felt Products Mfg. Co.
United States Rubber Co., Rockefeller Center, Ave. of the Americas, New York 20, N. Y.
Victor Mfg & Gasket Co 5750 W Roosevelt Rd Chicago 50 Ill "Victoprene" (O rings)
Victoprene—See Victor Mfg & Gasket Co
Vix-Syn—See E. F. Houghton & Co.
Warren Belting Co 33 Arctic St Worcester 8 Mass
Westfeltopak—See Acadia Div., Western Felt Works.

PADS, Body Foundation

(See also Pads, Protection [For Body Use])

American Felt Co., Glenville, Conn.
Barley-Earhart Corp., Portland, Mich.
Booth Felt Co 1726 Tenth Ave Brooklyn 15 N Y
Burkart Mfg Co F Div of Textron Inc 4900 N Second St St Louis 7 Mo (Sisal)
Burton-Dixie Corp 2034 S Racine Ave Chicago 8 Ill (Sisal latex and cotton)
Felt Products Mfg Co 7450 N McCormick Blvd Skokie Ill
Felters Co 210 South St Boston 11 Mass
Laflex—See Latex Fiber Industries Inc
Latex Fiber Industries, Inc., Beaver Falls, N. Y. "Lexide" "Laflex"
Lexide—See Latex Fiber Industries Inc
Rhopac Inc 3425 Cleveland St Skokie Ill
Silenite—See John Warren Watson Co
Standard Cotton Products Co Camden at Ossington St Flint Mich (Sole distributors Automotive Materials Corp Fisher Bldg Detroit Mich)
Watson Co John Warren 1924 Hunting Park Ave Philadelphia 40 Pa "Silenite"
Western Felt Works 4021 W Ogden Ave Chicago 23 Ill

PADS, FELT, ANTI-SQUEAK—See Lining, Body or Frame

PADS, Floor (Felt, Jute, etc.)

American Hair & Felt Co 322 Merchandise Mart Chicago 54 Ill (Felt and jute)
Armour Alliance Industries 16123 Armour St N E Alliance Ohio "Supreme Hairflex" (Luggage deck)
Booth Felt Co 1726 Tenth Ave Brooklyn 15 N Y (Felt)
Brawley Felt Co., T. R., 272 20th St., Brooklyn, N. Y.
Burlington Mills, Inc., Burlington, Wis.
Clark-Cutler-McDermott Co Fisher St Franklin Mass
Dixie Jute Bagging Co 700 Front St Norfolk 10 Va (Jute)
Felters Co., 210 South St., Boston 11, Mass. (Felt.)
Standard Cotton Products Co Camden at Ossington St Flint Mich (Sole distributors Automotive Materials Corp Fisher Bldg Detroit Mich)
Supreme Hairflex—See Armour Alliance Industries

PADS, Insulation (Heat, Cold and Sound)

American Hair & Felt Co 322 Merchandise Mart Chicago 54 Ill
Booth Felt Co 1726 Tenth Ave Brooklyn 15 N Y
Burlington Mills, Inc., Burlington, Wis.
Felt Products Mfg Co 7450 N McCormick Blvd Skokie Ill
Felters Co 210 South St Boston 11 Mass
Johns-Manville Corp Industrial Insulation Div 22 E 40th St N Y N Y "Microlite" "Microtex" "Super-Fine"
Microlite—See Johns-Manville Corp
Microtex—See Johns-Manville Corp
National Automotive Fibres Inc 19925 Hoover Ave Detroit 5 Mich (Cotton and jute)
Ruberoid Co 500 Fifth Ave N Y 36 N Y (Dash)
Super-Fine—See Johns-Manville Corp
Tufflex—See Wood Conversion Co.
Wood Conversion Co., 1981 First National Bank Bldg., St. Paul, Minn. "Tufflex"
Woodall Industries, Inc., 7565 E. McNichols Rd., Detroit 34, Mich. (Dash panel.)

PADS, Pedal

(For applying to clutch or brade pedals to prevent feet from slipping)

Anchor Rubber Products Div of Anchor Industries Inc 1725 London Rd Cleveland 12 Ohio "Tuftex"
Armor-Flex—See Doan Mfg Div
Cleveland—See H K Porter Co
Doan Mfg Div of Anchor Industries Inc 1725 London Rd Cleveland 12 Ohio "Armor-Flex"
Firestone Tire & Rubber Co 1200 Firestone Parkway Akron Ohio
Foot's Ease—See Visionade Mfg Co
Kastar, Inc., 200 Lincoln Ave., New York 54, N. Y.
King Bee Mfg Co 2600 Washington Blvd Bellwood Ill (Brake and clutch)
Loock & Co R J 343 N Gay St Baltimore Md
Monarch Rubber Co Hartville Ohio
Moore & Co., Samuel, Mantua, Ohio. "Rub-Bub."
Ohio Rubber Co., 300 Ben Hur Ave., Willoughby, Ohio. "Orco."
Orco—See Ohio Rubber Co.
Ped-A-Mat—See Radiator Specialty Co
Porter Co H K Forge & Fittings Div Cleveland Forge Works 3200 E 79th St Cleveland 4 Ohio "Cleveland"
Radiator Specialty Co 1400 W Independence Blvd Charlotte 1 N C "Ped-A-Mat"
Roberts Toledo Rubber Co 4143 Monroe St Toledo 13 Ohio
Rodic Chemical & Rubber Corp Allen Ave New Brunswick N J
Rub-Bub—See Samuel Moore & Co
Tuftex—See Anchor Rubber Products Div
United States Rubber Co Rockefeller Center 1230 Ave of the Americas New York 20 N Y
Visionade Mfg Co 200 Kosciusko St Brooklyn 16 N Y "Foot's Ease"

PADS, Protection (For Body Use)

(Top pads, spring pads, etc.)

American Hair & Felt Co 322 Merchandise Mart Chicago 54 Ill
Burkart Mfg Co F Div of Textron Inc 4900 N Second St St Louis 7 Mo (Sisal tula and cotton)
Dry Zero Corp., Merchandise Mart, Chicago Ill.
Western Felt Works 4021 W Ogden Ave Chicago 23 Ill "Westfelt"
Westfelt—See Western Felt Works.

PADS, Seat

Allison's Co 1015 Jefferson Ave Brooklyn 21 N Y (Bamboo)
Banner Mfg Co 37 Preston Court Brooklyn 34 N Y
Bonded Foam Latex Inc 4501 Perkins Ave Cleveland 4 Ohio "Velv-O-Tex" "Kool Vent" (Ventilated wire)
Bostrom Corp 1333 W Oregon St Milwaukee 4 Wis
Burkart Mfg Co F Div of Textron Inc 4900 N Second St St Louis 7 Mo (Sisal tula and cotton)
Camel Coolie—See H B Egan Mfg Co
Chicago Curled Hair Co 2301 S Paulina St Chicago 8 Ill "Sanaflex"
Crawford Mfg Co Third & Decatur Sts Richmond 12 Va (Air-cooled)
Egan Mfg Co H B P O Box 1406 Muskogee Okla "Camel Coolie" (Coiled spring)
Elasto—See Gordon Chapman Co
Ero Mfg Co 714 W Monroe St Chicago 6 Ill
Fabco—See Faber Bros Inc
Farber Bros Inc 821 Linden Ave Memphis 3 Tenn "Fabco" (Air cooled spring)
Firestone Rubber & Latex Products Co Fall River Mass (Foam latex)
Fulmer Arthur 260 Monroe Ave Memphis 1 Tenn (Coil spring)
Goodrich Co Sponge Products Div B F Howe Ave Shelton Conn "Spongex" & "Texfoam"
Gordon Chapman Co 1720 12th St Detroit 16 Mich "Elasto"
Hinson Mfg Co Westfield Ave & Menges St Waterloo Iowa (Fibre; also coiled spring wire)
Hite Mfg Co 1916 Dayton Blvd North Chattanooga 5 Tenn "Kent Ventilaire" (Ventilated)
Kent Co R O 115 W 30th St New York 1 N Y (Ventilated wire)
Kittie Mfg Co 5160 W Thompson St Philadelphia 31 Pa (Coil spring)
Kool Kooshion Mfg Co Dyersburg Tenn (Ventilated)
Kool Vent—See Bonded Foam Latex Inc
Master Mfg Co 426 Luckie St N W Atlanta 1 Ga (Spring coils)
Mitchell Mfg Co 1601 Ballman St Ft Smith Ark (Ventilated)
Remco—See Reynolds Mfg Co
Reynolds Mfg Co 1419 Alamo National Bldg San Antonio 5 Tex "Remco" (Water cooled)
Sanaflex—See Chicago Curled Hair Co
Spongex—See B F Goodrich Co Sponge Products Div
Texfoam—See B F Goodrich Co Sponge Products Div
United States Rubber Co Rockefeller Center 1230 Ave of the Americas New York 20 N Y
Velv-O-Tex—See Bonded Foam Latex Inc
Zink Corp Howard Fremont Ohio (Spring)

PAINT HEATERS—See Heaters, Paint (Hot Spray)

PAINT, MASKING—See Compounds, Masking

PAINT MIXERS—See Agitators, Paint

PAINT SPRAYERS—See Sprayers, Paint, Varnish and Lacquer

PAINTING MACHINES — See Machines, Painting

PAINTS, Acid-Resisting

Frost Paint & Oil Corp 1209 Tyler St N E Minneapolis 13 Minn "Frost's Kapak"
Markal Co 3052 W Carroll Ave Chicago 12 Ill
Prufcoat Laboratories Inc 63 Main St Cambridge 42 Mass
Quigley Co 415 Madison Ave N Y 17 N Y "Triple-A"
Sauereisen Cements Co Sharpsburg Sta Pittsburgh 15 Pa
Sherwin-Williams Co 101 Prospect Ave N W Cleveland 1 Ohio
Stonhard Co 1306 Spring Garden St Philadelphia 23 Pa
Triple-A—See Quigley Co
Vita-Var Corp 46 Albert Ave Newark N J "Vita-Lux"

PAINTS, Alkali Resisting

Markal Co 3052 W Carroll Ave Chicago 12 Ill
Prufcoat Laboratories Inc 63 Main St Cambridge 42 Mass
Quigley Co 415 Madison Ave N Y 17 N Y "Triple-A"
Sherwin-Williams Co 101 Prospect Ave N W Cleveland 1 Ohio
Vita-Var Corp 46 Albert Ave Newark N J

PAINTS, Aluminum and Bronze

Alcoa Albron—See Aluminum Co of America
Aluminum Co of America 1501 Alcoa Bldg Pittsburgh 19 Pa "Alcoa Albron" (Pigments for aluminum paint)
Aluminum Industries Inc 3670 Werk Rd Cincinnati 11 Ohio "Permite"
Arco Co 7301 Bessemer Ave Cleveland 27 Ohio
Auto Chrome—See Sheffield Bronze Paint Corp
Battenfield Grease & Oil Corp 3148 Roanoke Rd Kansas City 8 Okla (Aluminum)
Forbes Finishes Div Pittsburgh Plate Glass Co 2800 W 148th St Cleveland 11 Ohio (Aluminum)
Frospar—See Frost Paint & Oil Corp
Frost Paint & Oil Corp 1209 Tyler St N E Minneapolis 13 Minn "Frospar" (Aluminum)
Illbronze—See Illinois Bronze Powder Co
Illinois Bronze Powder Co 2015 S Clark St Chicago 16 Ill "Illbronze"
Interstate Enamel & Varnish Co 323 W 15th St Indianapolis Ind "Realcoat"
Modene Paint Co 305 Eastern Ave Chelsea 50 Mass
Permite—See Aluminum Industries Inc
Plastic-Kote Inc 9801 Harvard Rd NW Cleveland 5 Ohio (Aluminum)
Realcoat—See Interstate Enamel & Varnish Co
Reynolds Metals Co 6601 Broad St Richmond 19 Va (Aluminum pigment powders and pastes)
Sheffield Bronze Paint Corp 17814 Waterloo Rd Cleveland 19 Ohio "Auto Chrome" "Super Krome" (Aluminum)
Sherwin-Williams Co 101 Prospect Ave N W Cleveland 1 Ohio
Super Krome—See Sheffield Bronze Paint Corp

PAINTS, COLOR—See Colors (Paint, Pigment)

PAINTS, Fluorescent (Instrument Dial)

Lawter Chemicals Inc 3550 Touhy Ave Chicago 45 Ill "Bold" "Lawter"

PAINTS, Graphite

Dixon Crucible Co Joseph Monmouth & Wayne Sts Jersey City 3 N J "Silica-Graphite"
Silica-Graphite—See Joseph Dixon Crucible Co
Superflake—See Superior Graphite Co
Superior Graphite Co 1531 First National Bank Bldg Chicago 3 Ill "Superflake"
Vita-Var Corp 46 Albert Ave Newark N J "Vita-Var"

PAINTS, Heat Resisting

Aluminum Industries Inc 3670 Werk Rd Cincinnati 11 Ohio "Permite" (Aluminum)
Frost Paint & Oil Corp 1209 Tyler St N E Minneapolis 13 Minn "Frost's Kapak"
Horn Co A C Products Finishes Div 10th St & 44th Ave Long Island City 1 N Y

Markal Co 3052 W Carroll Ave Chicago 12 Ill
Permite—See Aluminum Industries Inc
Prufcoat Laboratories Inc 63 Main St Cambridge 42 Mass
Red Hot—See Sheffield Bronze Paint Corp
Sheffield Bronze Paint Corp 17814 Waterloo Rd Cleveland 19 Ohio "Red Hot" (Aluminum)
Sherwin-Williams Co 101 Prospect Ave N W Cleveland 1 Ohio
Speco Inc 7308 Associate Ave Cleveland 9 O "Heat-Rem"
Thermokote—See Vita-Var Corp.
Vita-Var Corp., 46 Albert Ave., Newark, N. J. "Thermokote."

PAINTS, Rubber

Akron Paint & Varnish Co., 1390 Firestone Parkway, Akron 1, Ohio. (Tire.)
Better Monkey Grip Co 5320 Harry Hines Blvd Dallas 22 Tex "Monkey Grip" (Tire; sole distributors Monkey Grip Sales Co 5320 Harry Hines Blvd Dallas 22 Tex)
Bowes "Seal Fast" Corp 5902 E 34th St Indianapolis 18 Ind (Tire)
Century Products Co 14224 Birwood St Detroit 4 Mich
Color-Cote—See Master Automotive Chemicals Inc
Cooper Corp., Lima & Western Aves., Findlay, Ohio.
Durkee-Atwood Co 215 Seventh St N E Minneapolis 13 Minn (White and black for tires)
Flexcote—See W J Ruscoe Co
Foundry Rubber Inc 1050 30th St NW Washington 7 D C "Paracrete"
Goodrich Industrial Products Co B F 500 S Main St Akron 18 Ohio (Tire)
Hollingshead Corp., R. M., 840 Cooper St., Camden, N. J. (Black and white, for tires.)
Kelly-Springfield Tire Co., Cumberland, Md. (Tire.)
Lee Rubber & Tire Corp Conshohocken Pa
Master Automotive Chemicals Inc 37 Preston Ct Brooklyn 34 N Y "Color-Cote" (Black or white for tires)
Miller Tires A Div of B F Goodrich Co 500 S Main St Akron Ohio (Tire)
Monkey Grip—See Better Monkey Grip Co
Paracrete—See Foundry Rubber Inc.
Park Chemical Co 8074 Military Ave Detroit 4 Mich "Parko" (White for tires)
Patch Rubber Co P O Box 933 Akron 9 Ohio
Permatex Co., Sheepshead Bay, N. Y.
Ruscoe Co W J 483 Kenmore Blvd Akron 1 Ohio "Flexcote" (Black tire; "Ruscote" colored tire)
Ruscote—See W J Ruscoe Co
Steelcote Mfg. Co., 3418 Gratiot Ave., St. Louis 3, Mo.
Tumbler Laboratories, J. A., 423 S. Hanover St., Baltimore 1, Md. (Tire.)

PAINTS, Storage Battery Terminal

Mitchell-Rand Mfg Corp 51 Murray St New York N Y "E B" "2098"

PANELS, Fibre

Armstrong Cork Co Industrial Div 7011 Imperial Ave Lancaster Pa
Arvey Corp 6401 E Nevada Ave Detroit 34 Mich (Embossed)
Fybr-Tech—See Technical Ply-Wood Sales
Latex Fiber Industries Inc Beaver Falls N Y "Lexide" (Rubber bonded)
Lexide—See Latex Fiber Industries, Inc.
Seaman Products Div of Seaman Paper Co 1236 Sherman Ave Evanston Ill
Technical Ply-Wood Sales 6756 Crandon Ave Chicago 49 Ill "Fybr-Tech"
Textileather Corp 607 Madison Ave Toledo 3 Ohio (Coated and embossed)
Upson Co Stevens St Lockport N Y (Embossed)
Woodall Industries, Inc., 7565 E. McNichols Rd., Detroit 34, Mich. (Embossed and coated.)

PANELS, Instrument

(See also Boards, Instrument)

American Name Plate & Mfg. Co., 4254 W. Arthington St., Chicago 24, Ill. "Anco."
Anco—See American Name Plate & Mfg Co
Bristol Co Waterbury 20 Conn
Champion Sheet Metal Co 2 Squires St Cortland N Y (To order)
Croname Inc 6217 Howard St Chicago 48 Ill
Cutler Metal Products Co., 1025 Line St., Camden, N. J.
Dahlstrom Metallic Door Co., Special Products Div., 429 Buffalo St., Jamestown, N. Y.
Electric Auto-Lite Co Bay Mfg Div Bay City Mich
Electro Chemical Engraving Co 1100 Brook Ave N Y 56 N Y
Fox Co., 3400 Beekman St., Cincinnati 23, Ohio.
Jacobs Co., F. L., 1043 Spruce St., Detroit 1, Mich.
K & B—See Kirk & Blum Mfg Co
Kirk & Blum Mfg Co 3120 Forrer St Cincinnati 9 Ohio "K & B"
Miller Dial & Name Plate Co 4400 N Temple City Blvd El Monte Calif (Glo-escent lighting)
Northern Engraving & Mfg Co Fourth & Vine Sts La Crosse Wis
Western Metal Specialty Div Western Industries Inc 1213 N 62nd St Milwaukee 13 Wis
York Corrugating Co Adams St & W Md RR York Pa (Truck)

PANELS, Instrument (With Instruments Assembled)

AC Spark Plug The Electronics Div of General Motors 1300 N Dort Highway Flint 2 Mich
K-S Telegage—See King-Seeley Corp
King-Seeley Corp 315 S First St Ann Arbor Mich "K-S Telegage"
Stewart-Warner Corp Instrument Div 1826 Diversey Parkway Chicago Ill
Underwriters Safety Device Co 4642 N Lamon St Chicago 30 Ill

PANELS, Metal

Anzick Mfg Co 23675 Mound Rd Van Dyke Mich "Detroiter" (Auto body door)
Cutler Metal Products Co., 1025 Line St., Camden, N. J
Dee-Gee—See Detroit Gasket & Mfg Co
Detroit Gasket & Mfg Co 12640 Burt Rd Detroit 23 Mich "Dee-Gee"
Detroiter—See Anzick Mfg Co
GorDag Industries Inc 803 Forshay Tower Minneapolis 2 Minn
Hart Metal Products Corp 3333 Hammond Ave Elkhart Ind
K & B—See Kirk Blum Mfg Co
Kirk & Blum Mfg Co 3120 Forrer St Cincinnati 9 Ohio "K & B" (Body)
Metl-Tech—See Technical Ply-Wood Sales
Rex Metal Parts Co 1295 W 78th St Cleveland 2 Ohio (Body for trucks, buses and fire engines)
Technical Ply-Wood Sales 6756 Crandon Ave Chicago 49 Ill "Metl-Tech" (Body)
Wayne Foundry & Stamping Co 3100 Hubbard Ave Detroit 10 Mich
York Corrugating Co Adams St & W Md R. R., York, Pa. (Door and roof for trucks.)

PANELS, Plywood

Armorply—See United States Plywood Corp
Carstenite—See Technical Ply-Wood Sales
Die-Tech—See Technical Ply-Wood Sales
Evans Products Co 13101 Eckles Rd Plymouth Mich (Fir)
Flexwood—See United States Plywood Corp
Fybr-Tech—See Technical Ply-Wood Sales
G-P—See Georgia-Pacific Corp
Georgia-Pacific Corp Equitable Bldg Portland 4 Ore "G-P"
Harbord—See Harbor Plywood Corp
Harbor Plywood Corp Box 940 Aberdeen Wash "Harbord" "Harborite" "Super-Harbord" "Royal Harborite" (Douglas fir)
Harborite—See Harbor Plywood Corp
Haskelite Mfg Corp 701 Ann St NW Grand Rapids 2 Mich "Hasko-Preg" (Laminated; "Haskelite" plastic faced; "Plymetl" (metal-faced)
Hasko-Preg—See Haskelite Mfg Corp
Holo-Tech—See Technical Ply-Wood Sales
Mesh-Tech—See Technical Ply-Wood Sales
Metl-Tech—See Technical Ply-Wood Sales
Met-L-Wood Corp 6755 W 65th St Chicago 38 Ill (Metal covered)
Plymetl—See Haskelite Mfg Corp
Ply-Tech—See Technical Ply-Wood Sales
Royal Harborite—See Harbor Plywood Corp
Super-Harbord—See Harbor Plywood Corp.
Technical Ply-Wood Sales 6756 Crandon Ave Chicago 49 Ill "Fybr-Tech" (Vulcanized fibre resin glued to wood "Metl-Tech" plywood faced with aluminum steel and other metals "Carstenite" decorative veneer resin glued to Masonite "Holo-Tech" thick light-weight hollow core plywood; "Ply-Tech" aircraft plywood glued with plastic resin "Die-Tech" phenolic bonded hardwood "Mesh-Tech" perforated for air-conditioning)
Tekwood—See United States Plywood Corp
United States Plywood Corp Weldwood Bldg 55 W 44th St New York 36 N Y ("Weldwood"; "Armorply" faced with steel and other metal; "Tekwood" faced with kraft paper; "Flexwood" wood veneer mounted on cloth)
Weldwood—See United States Plywood Corp

PANELS, Upholstered

Arvey Corp 6401 E Nevada Ave Detroit 34 Mich

PANELS, Wire, for Bodies

Buffalo Wire Works Co 506 Terrace Buffalo 2 N Y
Logan Co Cabel St Louisville 6 Ky

PANELS, Wood

Cornell Paperboard Products Co 20 N Wacker Dr Chicago 6 Ill (Wood fibre)

PANELS and SWITCHBOARDS, Battery Charging

G-E—See General Electric Co
General Electric Co Apparatus Sales Div 1 River Rd Schenectady 5 N Y "G-E"
Hertner Electric Co., 12690 Elmwood Ave., Cleveland 11, Ohio.
Square D Co., 6060 Rivard St., Detroit 11, Mich.

PANS, Drip

(For placing under machinery)

Columbian Steel Tank Co., 1409 W. 12th St., Kansas City 7, Mo.
Cutler Metal Products Co., 1025 Line St., Camden, N. J.
Dover Stamping Co., 80 Federal St., Boston, Mass.
Durlach Can & Iron Works 325 Spring St N Y N Y
K & B—See Kirk & Blum Mfg. Co.
Kirk & Blum Mfg Co 3120 Forrer St Cincinnati 9 Ohio "K & B"
Salem Tool Co 767 S Ellsworth Ave Salem Ohio
USS—See United States Steel Products Div
United States Steel Products Div United States Steel Corp 5100 Santa Fe Ave Los Angeles 58 Calif "USS"

PANS, Engine

Ansted Corp 1428 W Henry St Indianapolis 7 Ind
Cutler Metal Products Co 1029 Line St Camden N J
Hamlin Metal Products Co 2741 Wingate Ave Akron 19 Ohio
K & B—See Kirk & Blum Mfg. Co.
Kirk & Blum Mfg Co 3120 Forrer St Cincinnati 9 Ohio "K & B"
Salem Tool Co 767 S Ellsworth Ave Salem Ohio

PANS, Storage, for Metal Parts

Bernard Franklin Co Hedley & Bath Sts Philadelphia 37 Pa
Factory Service Co., 4615 N. 21st St., Milwaukee 9, Wis. "Turner System."
K & B—See Kirk & Blum Mfg. Co.
Kirk & Blum Mfg Co 3120 Forrer St Cincinnati 9 Ohio "K & B"
Lyon Metal Products, Inc., 2931 Montgomery St., Aurora, Ill.
Salem Tool Co 767 S Ellsworth Ave Salem Ohio
Turner System—See Factory Service Co.

PANS, TOTE—See Boxes, Tote
PANTOGRAPH MACHINE—See Machines, Pantograph

PAPER, Abrasive

(See also Cloth, Abrasive)

Adalox—See Behr-Manning Corp.
Aloxite—See Carborundum Co.
Behr-Manning Corp 1960 Howe St Troy N Y "Speed-Wet" "Adalox" "Buffem" "Durite" "Mohawk" "NoFil" "Resinized" "Tufbak" (Also emery, flint and garnet paper)
Buffem—See Behr-Manning Co
Carborundum Co Buffalo Ave Niagara Falls N Y "Carborundum" "Aloxite"
Clovalox—See Clover Mfg Co
Clover Mfg Co 327 Main St Norwalk Conn "Clover" & "Clovalox"
Crystal Bay—See Minnesota Mining & Mfg Co

PAPER, Abrasive—continued

Dixon Inc William 32-42 E Kinney St Newark 1 N J
Durite—See Behr-Manning Corp
Mid-West Abrasive Co 510 S Washington St Owosso Mich
Minnesota Mining & Mfg Co., 900 Bush Ave St Paul 6 Minn "Crystal Bay" "3M" "Minnesota" "Tri-M-Ite"
Mohawk—See Behr-Manning Corp
No-Fil—See Behr-Manning Corp
Resinized—See Behr-Manning Corp
Speed-Wet—See Behr-Manning Corp
3-M—See Minnesota Mining & Mfg Co
Tri-M-Ite—See Minnesota Mining & Mfg Co
Tufbak—See Behr-Manning Corp

PAPER, Insulating

Brandywine Fibre Products Co 15th & Poplar Sts Wilmington Del
Continental-Diamond Fibre Corp Newark 2 Del "Diamond"
Diamond—See Continental-Diamond Fibre Corp
Franklin Fibre-Lamitex Corp., 195 E. 12th St., Wilmington, Del.
Fyberoid—See Wilmington Fibre Specialty Co
Irvington Varnish & Insulator Div of Minnesota Mining & Mfg Co 6 Argyle Terrace Irvington 11 N J
Merrimac Paper Co 295 Madison Ave New York 17 N Y
National Vulcanized Fibre Co., Maryland Ave. & Beech St., Wilmington 99, Del. "Peerless."
Peerless—See National Vulcanized Fibre Co.
Taylor Fibre Co Norristown 49 Pa
Wilmington Fibre Specialty Co New Castle Del "Fyberoid"

PARKERIZING—See Galvanizing, Sheradizing and Rust Proofing

PARTS, AIRCRAFT—See Blades, Aircraft; Bolts, Aircraft; Castings, Aircraft; Heaters, Aircraft; Motors, Electric [Aircraft Use]

PARTS, Air Conditioning Unit (Auto)

Controls Co of America Air Conditioning Div 2450 N 32nd St Milwaukee 16 Wis "A-P" (Controls and valves)
Delco-Remy Div General Motors Corp 2401 Columbus Ave Anderson Ind (Bypass valves)
Detroit Controls Div American Standard Corp 5900 Trumbull Ave Detroit 8 Mich (Valves)
General Controls Co 801 Allen Ave Glendale 1 Calif (Valves)
McCord Corp Riopelle at E Grand Blvd Detroit 11 Mich (Evaporators and condensers)
Ranco Inc 601 W Fifth Ave Columbus 1 Ohio (Thermostats)
Tenney Engrg Inc 1090 Springfield Rd Union N J (Evaporators and condensers)
Tube Manifold Corp 415 Bryant St North Tonawanda N Y (Receivers and dryers)

PARTS, Auto Body (Plastic)

Aluminum Co of America 1501 Alcoa Bldg Pittsburgh 19 Pa (Panels)
Fibre Glass-Evercoat Co Blue Ash Rd Cincinnati 36 Ohio (Fiberglass air scoops, fins, etc)
Molded Fiber Glass Body Co 4601 Benefit Ave Ashtabula Ohio (Fiberglass body panels hoods doors instrument panels roof panels etc)

PARTS, Auto Body (Steel)

BEW 3055 E 12th St Los Angeles 23 Calif (Fender skirts)
Foxcraft Products Co P O Box 128 Huntingdon Valley Pa (Wheel shields fender skirts etc)
Perfection Automotive Products Corp 925 W Elizabeth St Detroit 1 Mich (Fender skirts)
Schott Metal Products Co 2225 Lee Rd Akron 6 Ohio (Panels)

PARTS, Automotive Precision

Perfection Gear Co 152 St & Vincennes Ave Harvey Ill

PARTS, Brake

(See also Valves, Air Brake)

Aero Mfg & Machining Co 2724 Ninth Ave Muskegon Heights Mich (Hydraulic)
Aluminum Co of America 1501 Alcoa Bldg Pittsburgh 19 Pa (Pistons)
Anderson Co O L 1347 E Fort St Detroit 7 Mich (Vacuum tanks for power brakes)
Andrew Parts Mfg Co 32-70 31st St Long Island City 6 N Y
B-K—See Bendix Products Div., Bendix Aviation Corp.
Bendix Products Div Bendix Aviation Corp South Bend 20 Ind "B-K" (Hand control for vacuum braking)
Bendix Westinghouse Automotive Air Brake Co 901 Cleveland Road Elyria Ohio (Air conversion kits)
Berg Mfg & Sales Co 1712 S Michigan Blvd Chicago 16 Ill
Brown Corp 213 Bellevue Ave Syracuse N Y
Bull Dog—See Jambor Tool & Stamping Co
Chilton Metal Products Inc 300 Breed St Chilton Wis (Tanks for power brakes)
Coni-Seal—See Signal-Stat Corp
Delco—See Moraine Products Div
Eaton Mfg Co Marion Forge Div Route 95 W Marion Ohio
Els Automotive Corp Box 701 Middletown Conn (Hydraulic mechanical power; master and wheel cylinders; also assortments of small parts)
Fawick Brake Div Fawick Corp 9921 Clinton Rd Cleveland 11 Ohio "Fawick-Girling" (Master cylinders)
General Tire & Rubber Co Industrial Products Div Wabash Ind (Hydraulic)
Gilpak Automotive Products Div Packer Auto Parts Inc Roselle N J (Hydraulic)
Globe Rubber Products Corp 3333 N Lawrence St Philadelphia 40 Pa (Hydraulic)
Goshen Rubber Co 609 E Iowa St Goshen Ind (Hydraulic cups and boots)
Jambor Tool & Stamping Co 3057 N 30th St Milwaukee Wis "Bull Dog" (For Ford and Chevrolet cars)
Judson Rubber Works Inc 4107 W Kinzie St Chicago 24 Ill (Hydraulic rubber)
Kelsey-Hayes Co 3600 Military Ave Detroit 32 Mich (Vacuum power brake valves and chambers)
Lion Auto Parts & Mfg. Co., 1920 S. Michigan Ave., Chicago 16, Ill. (Hydraulic.)
Lisle Corp Brake Div 805 E Main St Clarinda Iowa (Master and wheel cylinders)
Lockheed—See Wagner Electric Corp.
Loock & Co R J 343 N Gay St Baltimore Md (Cylinder cups)
Master Parts Div Airtex Products Inc Fairfield Ill (Hydraulic master and wheel cylinders)
Mico—See Minnesota Automotive Inc
Midland-Ross Corp Owosso Div 490 S Chestnut St Owosso Mich (Air conversion valve kits)
Minnesota Automotive Inc 1101 N Front St Mankato Minn "Mico" (Master cylinders)
Moraine Products Div General Motors Corp 1420 Wisconsin Blvd Dayton Ohio "Delco" (Wheel and master cylinders)
Motive Equipment Mfrs., Inc., 5253 W. Roosevelt Rd., Chicago 50, Ill. "Pilot." (Hydraulic master wheel cylinder assemblies)
National—See Wheel Parts & Mfg Co
National Ignition Mfg Co 521 W 23rd St New York 11 N Y "Nimco" (Hydraulic)
Neff-Perkins Co 33 Stage Ave Painesville Ohio (Air brake seals)
Niehoff & Co., C. E., 4925 W. Lawrence Ave., Chicago 30, Ill. (Hydraulic.)
Nimco—See National Ignition Mfg. Co.
Otto Items Inc 1200 Reco Ave Kirkwood 22 Mo "Tru-Torque" (Hydraulic cups etc)
Perfect Parts Inc 43 W 23rd St N Y 10 N Y
Pilot—See Motive Equipment Mfrs., Inc.
Porter Co H K Thermoid Div 200 Whitehead Rd Trenton 6 N J "Thermoid" (Diaphragms)
Power Brake Equipment Co 1632 S E 11th Ave Portland 14 Ore "Williams"
Preferred Electric & Wire Co Bush Terminal Bldg No 8 Brooklyn 32 N Y
Signal-Stat Corp Signal-Stat Bldg 523 Kent Ave Brooklyn 11 N Y "Coni-Seal" (Hydraulic cups)
Thermoid—See H K Porter Co Thermoid Div
Tru-Torque—See Otto Items, Inc.
United Metal Craft Co 800 Lowell St Ypsilanti Mich (Power brake tanks)
United Parts Mfg Co 1250 W Van Buren St Chicago 7 Ill (Hydraulic brake parts and cylinders)
Vari-Products Co., 2450 S. Prairie Ave., Chicago 16, Ill. (Vacuum tanks.)
Velvac Inc 3534 W Pierce St Milwaukee 15 Wis (Vacuum power and air for trucks and trailers; also air conversion kits)
Wagner Electric Corp 6400 Plymouth Ave St Louis 33 Mo "Lockheed" (Master cylinders)
Weatherhead Co Ft Wayne Div 128 W Washington Blvd Ft Wayne Ind
Wheel Parts & Mfg Co 352 Fourth Ave N Y 10 N Y "National" (Hydraulic)
Williams—See Power Brake Equipment Co

PARTS, Bus Body (Steel)

Bath Co Cyril 32400 Aurora Rd Solon Ohio **(Roof rails and bows body posts door frames wheelhouse angles etc)**
Cleveland—See H K Porter Co
Porter Co H K Forge & Fittings Div Cleveland Forge Works 3200 E 79th St Cleveland 4 Ohio "Cleveland"

PARTS, Carburetor

Bendix Products Div Bendix Aviation Corp South Bend 20 Ind
Brisko's Mileage-Saver Inc Box 38 Ojibwa Wis (Automatic choke heater)
Carter Carburetor Div of ACF Industries Inc 2840 N Spring Ave St Louis 7 Mo
Champ-Items Inc 6191 Maple Ave St Louis 14 Mo (Automatic choke heat unit)
Circle Z R F D #2 Promfret Center Conn
Holley Carburetor Co 11955 E Nine Mile Rd Warren Mich
Hygrade Products Div Standard Motor Products Inc 37-18 Northern Blvd Long Island City 1 N Y
Neff-Perkins Co 33 Stage Ave Painesville Ohio (Diaphragms)
Pacco—See Precision Automotive Components Co
Parco—See Parts Mfg Co
Parts Mfg Co 311 W 66th St New York 23 N Y "Parco"
Precision Automotive Components Co Manchester & Henry Sts Manchester Mo "Pacco"
Preferred Electric & Wire Co Bush Terminal Bldg No 8 Brooklyn 32 N Y
Simmons Mfg Co Ashland Ohio

PARTS, CAST PHENOLIC—See Plastics—Cast (Phenolic and Resin)

PARTS, Clutch

(See also Bearings, Clutch Throwout; Controls, Clutch (Power Operated); Corks, Brake & Clutch Insert; Discs, Clutch; Lining, Brake; Plates, Clutch Pressure; also Shafts, Transmission & Clutch)

Accurate Re-Nu Clutch Div of MarPro Inc 168 N Michigan Ave Chicago 1 Ill **(Pressure assembly component parts)**
Circle Z R F D #2 Pomfret Center Conn
Elgin Machine Works Inc 412 N State St Elgin Ill
Lempco Products, Inc., 5490 Dunham Rd., Bedford, Ohio.
Lipe-Rollway Corp 806 Emerson Ave Syracuse 1 N Y
National—See Wheel Parts & Mfg Co
Parco—See Parts Mfg Co
Parts Mfg Co 311 W 66th St New York 23 NY "Parco"
Perfect Gear Co 152nd St & Vincennes Ave Harvey Ill (Clutch cover assembly parts)
Rockford Clutch Div Borg-Warner Corp 1319 18th Ave Rockford Ill (Levers)
Wheel Parts & Mfg Co 352 Fourth Ave N Y 10 N Y "National"

PARTS, Fibre

Auburn Mfg Co Pease Ave & Stack St Middletown Ohio
Brandywine Fibre Products Co 15th & Poplar Sts Wilmington Del
Continental-Diamond Fibre Corp Newark 2 Del "Diamond"
Diamond—See Continental-Diamond Fibre Corp
Franklin Fibre-Lamitex Corp 18th St E of Market St Wilmington Del
Hill Nut Co., 2620 W. Flournoy Ave., Chicago 12, Ill.
National Vulcanized Fibre Co., Maryland Ave. & Beech St., Wilmington 99, Del.
Spaulding Fibre Co 310 Wheeler St Tonawanda N Y
Taylor Fibre Co Norristown 49 Pa
Wilmington Fibre Specialty Co New Castle Del

PARTS, Filter (Auto)

Melvina Can Machinery Co 52-24 57th Drive Maspeth L I N Y (Air and oil filter bodies and filter tubes)

PARTS, Front End Suspension

Aluminum Industries Inc 3670 Werk Rd Cincinnati 11 Ohio "Permite"
Brown Corp 213 Bellevue Ave Syracuse N Y
Elgin Machine Works 412 N State St Elgin Ill
Ertel Products Co Repl Div of Ertel Mfg Corp 1402 E 20th St Indianapolis 7 Ind
Gilpak Automotive Products Div Packer Auto Parts Inc Roselle N J

Imerman Screw Products Co 6420 E Lafayette Ave Detroit 7 Mich
Inland Mfg Div General Motors Corp 2727 Inland Ave Dayton 1 Ohio (Ball joints)
Lion Auto Parts & Mfg. Co., 1920 S. Michigan Ave., Chicago 16, Ill.
McQuay-Norris Mfg Co 2320 Marconi Ave St Louis 10 Mo
Master Parts Div Airtex Products Inc Fairfield Ill
Moog Industries 6565 Wells Ave St Louis 33 Mo
National—See Wheel Parts & Mfg Co
Neapco Products Inc South. & Cross Sts Pottstown Pa
Parco—See Parts Mfg. Co.
Parts Mfg. Co., 311 W. 66th St., New York 23, N. Y. "Parco."
Permite—See Aluminum Industries Inc
Republic Engrg & Mfg Co 6565 Wells Ave St Louis 14 Mo
Saginaw Steering Gear Div General Motors Corp 3900 Holland Rd Saginaw Mich
Thompson Products Michigan Div Thompson-Ramo-Wooldridge Inc 34201 Van Dyke Ave Warren Mich
Toledo Steel Products Div of Thompson-Ramo-Wooldridge Inc 6102 Cedar Rd Cleveland 3 Ohio
Wheel Parts & Mfg Co 352 Fourth Ave N Y 10 N Y "National"

PARTS, Fuel Pump

Airtex Automotive Div Airtex Products Inc Fairfield Ill
Alco—See Alloy Mfg Co
Alloy Mfg Co 7202 S Shields Ave Chicago 16 Ill **"Alco" "Alloy" "Quality First"**
American Motor Products Co Fond du Lac Wis "Ampco"
Ampco—See American Motor Products Co
Capac—See Wells Mfg Corp
Capac—See Wells Mfg Corp
Highland Mfg Co 3215 Superior Ave Cleveland 14 Ohio "Highlander" (Push rods)
Kem Mfg. Co., 20-21 Wagaraw Rd., Fair Lawn, N. J.
Master Parts Div Airtex Products Inc Fairfield Ill
National Ignition Mfg Co 521 W 23rd St New York 11 N Y "Nimco"
Neff-Perkins Co 33 Stage Ave Painesville Ohio (Diaphragms)
Nimco—See National Ignition Mfg. Co.
Preferred Electric & Wire Co Bush Terminal Bldg No 8 Brooklyn 32 N Y (Diaphragms, etc)
Quality First—See Alloy Mfg Co
Reeves Bros Inc Vulcan Rubber Products Div 1671 Ave of The Americas New York 18 N Y "Vulcan" (Diaphragms)
Simmons Mfg. Co., Ashland, Ohio. (For Ford, Chevrolet and Plymouth cars.)
Uniflex—See United Parts Mfg Co
United Parts Mfg Co 1250 W Van Buren St Chicago Ill "Uniflex"
Vulcan—See Reeves Bros Inc
Wells Mfg Corp 12 S Brooke St Fond du Lac Wis "Capac"
Wohlert Corp 700 E Grand River Ave Lansing 5 Mich (Rods)

PARTS, Generator

Holley Carburetor Co 11955 E Nine Mile Rd Warren Mich
International Products & Mfg Co 850 N Ogden Ave Chicago 22 Ill
Machined Parts Corp 6209 Hamilton Ave Detroit 2 Mich "Mapco"
Mapco—See Machined Parts Corp
National Ignition Mfg Co 521 W 23rd St New York 11 N Y "Nimco"
Nimco—See National Ignition Mfg. Co.
Paragon Products Corp 140 Astor St Newark 5 N J "Vulcan" (Sole distributors Vulcan Motor Products Inc 1060 Broad St Newark 2 N J)
Preferred Electric & Wire Co., Bush Terminal Bldg. No. 8, Brooklyn 32, N. Y.
V-J Industries Inc 720 E Washington St Indianapolis Ind
Valley Forge Products Inc 370 19th St Brooklyn 15 N Y
Vulcan—See Paragon Products Corp

PARTS, Hardened and Ground

Accurate Bushing Co 443 North Ave Garwood N J
Brown Corp 213 Bellevue Ave Syracuse N Y
Burgess-Norton Mfg Co 737 Peyton St Geneva Ill
Chicago Screw Co Div of Standard Screw Co 2701 Washington Blvd Bellwood Ill
Jig Bushing Co 454 Cass Ave (P O Box 116) Pontiac Mich (Cylindrical)
60 Case—See Thomson Industries Inc
Thomson Industries Inc 1029 Plandome Rd Manhasset N Y "60 Case" (Shafts)
Trayer Products Inc E Clinton St Elmira N Y
Western Automatic Machine Screw Co 377 Woodland Ave Elyria Ohio

PARTS, LAMINATED (PHENOLIC) — See Plastics, Laminated

PARTS, Magneto, Coil and Distributor

American Hard Rubber Co Div Amerace Corp Ace Rd Butler N J
American Motor Products Co., Fond du Lac, Wis. **"Ampco." (Distributor rotors.)**
Ampco—See American Motor Products Co.
Andrew Parts Mfg Co 32-70 31st St Long Island City 6 N Y
D S M Electric Co 6209 John Lodge Expressway Detroit 2 Mich (Coil and distributor)
Delco-Remy Div General Motors Corp 2401 Columbus Ave Anderson Ind (Breaker plates)
Echlin Mfg Co U S Route 1 Branford Conn (Coil and distributor)
Electric Auto-Lite Co Toledo 1 Ohio **(Distributor caps and rotors)**
F & B Mfg Co 4248 W Chicago Ave Chicago 51 Ill "Filko"
Filko—See F & B Mfg Co
GP—See Guaranteed Parts Co
Gilpak Automotive Products Div Packer Auto Parts Inc Roselle N J **(Distributor rotors)**
Gries Reproducer Corp Beechwood Ave & Second St New Rochelle NY (Nylon distributor parts)
Guaranteed Parts Co Seneca Falls N Y "GP"
Holley Carburetor Co 11955 E 9 Mile Rd Warren Mich (Caps and rotors)
Igniter Co 1635 El Camino Real Redwood City Calif (Breaker plate stabilizing kits for Delco-Remy distributors)
Kem Mfg Co 20 Wagaraw Rd Fair Lawn N J (Coil and distributor)
Keystone Carbon Co 1935 State St St Marys Pa
M D Parts Mfg Co 5247 Coffman-Pico Rd Pico Calif (Distributor caps and rotors)
Machined Parts Corp., 6209 Hamilton Ave., Detroit 2, Mich. "Mapco."
Mapco—See Machined Parts Corp.
National—See Wheel Parts & Mfg Co
National Ignition Mfg Co 521 W 23rd St New York 11 N Y "Nimco" (Coil and distributor)
Nimco—See National Ignition Mfg. Co.
Paragon Products Corp 140 Astor St Newark 5 N J "Vulcan" (Distributor plates etc; sole distributors Vulcan Motor Products Inc 1060 Broad St Newark 2 N J)
Parco—See Parts Mfg Co
Parts Mfg Co 311 W 66 St N Y 23 N Y "Parco"
Perfection Automotive Products Corp., 925 W. Elizabeth St., Detroit 1, Mich. (Distributor caps and nipples.)
Preferred Electric & Wire Co., Bush Terminal Bldg. No. 8, Brooklyn 32, N. Y.
Shurhit Products Inc 845 S Market St Waukegan Ill (Distributor caps and rotors)
Sorensen Mfg Co P 32-31 57th St Woodside 77 N Y (Distributor heads and rotors)
Specialty Insulation Mfg. Co., Hoosick Falls, N. Y. (Distributor caps.)
Super Go—See Wells Mfg Corp
Tasco Products Div of Guaranteed Parts Co Seneca Falls N Y
Tungsten Contact Mfg. Co., 7311 Cottage Ave., North Bergen, N. J. (Caps and rotors.)
Valley Forge Products Inc 370 19th St Brooklyn 15 N Y (Distributor)
Vulcan—See Paragon Products Corp
Wells Mfg Corp 12 S Brooke St Fond du Lac Wis **"Wells" "Super Go"** (Distributor caps and rotors)
Wheel Parts & Mfg Co 352 Fourth Ave N Y 10 N Y "National" (Distributor caps and rotors)
Wico Electric Co 10 Bliss Ave West Springfield Mass

PARTS, Metallic Powder

(For suppliers of powdered metal—See Metals, Powdered)

APMP—See Aluminum Co of America
Aluminum Co of America 1501 Alcoa Bldg Pittsburgh 19 Pa "APMP"
American Brakeblok Div American Brake Shoe Co 900 Maple Rd Troy Mich "Sintermet" (Friction material)
American Platinum & Silver Div Englehard Industries Inc 231 N J R R Ave Newark 5 N J
Amplex Div Chrysler Corp P O Box 2718 Detroit 31 Mich "Oilite" (Machine parts filter friction material gears cams rotors etc)
Bound Brook Oil-Less Bearing Co Lincoln Blvd Bound Brook N J "Powdiron" "Compo" (Powdered iron bearings, parts, etc)
Bunting Brass & Bronze Co 715 Spencer St Toledo 9 Ohio (Bearings and parts)
Burgess - Norton Mfg Co 737 Peyton St Geneva Ill "Quali-Sint"
Cerametalix—See Marshall-Eclipse Div
Detroit Sintered Metals Corp 715 Spencer St Toledo 1 Ohio
Dixon Sintaloy Inc 535 Hope St Stamford Conn "Sintaloy" (Bearings gears filters contacts etc)
Durex—See Moraine Products Div., General Motors Corp.
Eaton Mfg Co Powdered Metals Div 325 Jay St Coldwater Mich
General Powdered Metal Products Inc Muller Park Norwalk Conn (Machine parts gears cams etc and oil impregnating bearings)
Haller Inc 16580 Northville Rd Northville Mich
International Powder Metallurgy Co 439 W Main St Ridgway Pa (Bronze, iron, brass and steel)
International Products & Mfg Co 850 N Ogden Ave Chicago 22 Ill
Johnson Bronze Co 310 S Mill St New Castle Pa **"Ledaloyl"** (Bearings bushings etc.)
Keystone Carbon Co 1935 State St St Marys Pa **"Ledaloyl" (Bearings bushings etc)**
Ledaloyl—See Johnson Bronze Co.
Mallory & Co P P 76 S Gray St Indianapolis Ind
Marshall-Eclipse Div of Bendix Aviation Corp Box 538 Troy N Y "Cerametalix" (For clutches and brakes)
Metal Carbides Corp 107 E Indianola Ave Youngstown 7 Ohio "Talide"
Moraine Products Div., General Motors Corp., 1420 Wisconsin Blvd., Dayton, Ohio "Durex."
National Molded Products, Inc., 40 S. St. Marys St., St. Marys, Pa. (Filters and metallic friction materials.)
Oilite—See Amplex Div Chrysler Corp
Parker White-Metal Co 23rd St & Pennsylvania Ave Erie Pa
Powdiron—See Bound Brook Oil-Less Bearing Co.
Quali-Sint—See Burgess-Norton Mfg Co
Raybestos Div of Raybestos-Manhattan Inc 75 E Main St Stratford 2 Conn
Raybestos Manhattan Inc Wabash Div Crawfordsville Ind **"R/M"**
Rocky Mountain Metals Inc 3200 Century Ave Colorado Springs Colo (Bearings cams gears levers shock absorbers and front end suspension units)
Sintaloy—See Dixon Sintaloy Inc
Sintered Metals Inc 3391A Washington St **Jamaica 30 Mass**
Sintermet—See American Brakeblok Div
Sparta Foundry Co Div of Muskegon Piston Ring Co Sparta Mich (Iron)
Stackpole Carbon Co Stackpole St St Marys **Pa**
Talide—See Metal Carbides Corp
United States Graphite Co., 1621 Holland Ave., Saginaw, Mich. (Bearings, bushings and washers.)
Victor-Peninsular Div Allied Products Corp 12677 Burt Rd Detroit 23 Mich
Wakefield Bearing Corp 29 Foundry St Wakefield Mass
Wellman Co S K 200 Egbert Rd Bedford Ohio
Yale & Towne Mfg Co Powdered Metal Products Div Chrysler Bldg 405 Lexington Ave N Y 17 N Y (To order)

PARTS, MOLDED (PHENOLIC)—See Plastics—Molded (Phenolic, Urea, Cellulose Acetate, Polystyrene, etc.)

PARTS, Muffler (Auto)

Melvina Can Machinery Co 52-21 57th Drive Maspeth L I N Y

PARTS, Power Steering

(See also Pumps Hydraulic)

Aero Mfg & Machining Co 2724 Ninth St Muskegon Heights Mich
Brown Corp 213 Bellevue Ave Syracuse N Y
Char-Lynn Co 2843 26th Ave S Minneapolis 6 Minn (Pumps)
Chilton Metal Products Inc 300 Breed St Chilton Wis (Tanks)
Flexonics Corp Automotive Div 2021 S Latham St Memphis Tenn (Hose assemblies)

PARTS, Power Steering—continued

Imperial Brass Mfg Co 6300 W Howard St Chicago 31 Ill (Hose assemblies)
Michigan Steel Tube Products Div Standard Tube Co 24400 Plymouth Rd Detroit 39 Mich (Tubes)
New Products Corp 3636 Oakton St Skokie Ill (Valves)
Purolator Products Inc 970 New Brunswick Ave Rahway N J (Combination reservoir and filter for trucks)
Sealed Power Corp 2001 Sanford St Muskegon Heights Mich
Thompson Products Michigan Div Thompson-Ramo-Wooldridge Inc 34201 Van Dyke Ave Warren Mich (Cylinders and pumps)
Vickers Inc Administrative & Engrg Center Detroit 32 Mich (Valves)

PARTS, PRESSED STEEL—See Stampings, Metal

PARTS, Refrigeration System (Truck and Trailer)

Sundstrand Hydraulics Div of Sundstrand Corp 2210 Harrison Ave Rockford Ill (Constant speed drives for trucks)

PARTS, Shock Absorber

Champ-Items Inc 6191 Maple Ave St Louis 14 Mo (Springs)
Van Berger & Greener Inc 1619 N Hoyne Ave Chicago 47 Ill

PARTS, Speedometer

(See also Dials; Gears and Pinions, Speedometer; also Shafting, Flexible)

Hygrade Products Div Standard Motor Products Inc 37-18 Northern Blvd Long Island City 1 N Y
Preferred Electric & Wire Co Bush Terminal Bldg No 8 Brooklyn 32 N Y
Valley Forge Products Inc 370 19th St Brooklyn 15 N Y

PARTS, Spring

Moog Industries Inc 6565 Wells Ave St Louis 33 Mo
Service Spring Co Box 638 Indianapolis 6 Ind

PARTS, Stake Body (Steel)

Cleveland—See H K Porter Co
Kirk & Blum Mfg Co 2120 Forrer St Cincinnati 9 Ohio "K & B"
Porter Co H K Forge & Fittings Div Cleveland Forge Works 3200 E 79th St Cleveland 4 Ohio "Cleveland"

PARTS, STARTING MOTOR—See Armatures; Brushes, Generator, Horn and Starter; etc.

PARTS, Starting Motor Drive

(See also Drives, Starter)

American Motor Products Co., Fond du Lac, Wis. "Ampco."
Ampco—See American Motor Products Co.
Blue Streak—See Standard Motor Products, Inc.
CF&I-Wickwire—See Colorado Fuel & Iron Corp
Colorado Fuel & Iron Corp Wickwire Spencer Steel Div 575 Madison Ave New York 22 N Y "CF&I-Wickwire" (Springs, bolts and washers)
F. & B. Mfg. Co., 4248 W. Chicago Ave., Chicago 51, Ill. "Filko."
Filko—See F. & B. Mfg. Co.
GP—See Guaranteed Parts Co.
Guaranteed Parts Co., Seneca Falls, N. Y. "GP."
Holley Carburetor Co 11955 E Nine Mile Rd Warren Mich
International Products & Mfg Co 850 N Ogden Ave Chicago 22 Ill
Kem Mfg Co 20-21 Wagaraw Rd Fair Lawn N J
Keystone Carbon Co 1935 State St St Marys Pa
Lamson & Sessions Co 5000 Tiedeman Rd Cleveland 9 Ohio (Bolts)
Machined Parts Corp., 6209 Hamilton Ave., Detroit 2, Mich. "Mapco."
Mapco—See Machined Parts Corp.
Paragon Products Corp 140 Astor St Newark 5 N J "Vulcan" (Sole distributors Vulcan Motor Products Inc 1060 Broad St Newark 2 N J)
Preferred Electric & Wire Co., Bush Terminal Bldg. No. 8, Brooklyn 32, N. Y. (Springs, bolts and washers)
Shurhit Products Inc 845 S Market St Waukegan Ill
Standard Motor Products, Inc., 3718 Northern Blvd., Long Island City, L. I., N. Y. "Blue Streak." (Springs, etc.)
United Screw & Bolt Corp 3590 W 58th St Cleveland Ohio (Washers)
Valley Forge Products Inc 370 19th St Brooklyn 15 N Y
Van Bergen & Greener Inc 1619 N Hoyne Ave Chicago 47 Ill "Van line"
Vulcan—See Paragon Products Corp
Wells Mfg Corp 12 S Brooke St Found du Lac Wis

PARTS, Steering Gear

Cleveland Steel Products Corp 16025 Brookpark Rd Cleveland 35 Ohio (Wheel hubs)
Jambor Tool & Stamping Co 3057 N 30th St Milwaukee 10 Wis
N & N Machine Co 1114 Blue Island Ave Chicago 7 Ill (Sector shafts for jeeps and Willys station wagons)
Saginaw Steering Gear Div General Motors Corp 3900 Holland Rd Saginaw Mich
Thompson Products Michigan Div Thompson-Ramo-Wooldridge Inc 34201 Van Dyke Ave Warren Mich (Linkages)
Wesco—See Western Automotive Co
Western Automotive Co 2300 S Parkway Chicago 16 Ill "Wesco" (Bearings bushings cups sectors shafts etc)
Wohlert Corp 500 E Grand River Ave Lansing 5 Mich

PARTS, Storage Battery

Fiberglas — See Owens-Corning Fiberglas Corp.
GS—See General Scientific Equip Co
General Scientific Equipment Co 7516 Limekiln Pike Philadelphia 50 Pa "GS"
Gould-National Batteries Inc Industrial Div 467 Calhoun St Trenton 7 N J
Owens-Corning Fiberglas Corp National Bank Bldg Toledo 1 Ohio "Fiberglas" (Retainer mats)
Price Battery Corp Grand St Hamburg Pa
Reliance Battery Products Co., 2211 S. Eighth St., Council Bluffs, Iowa.
Willard Sales Automotive Div Electric Storage Battery Co P O Box 6266 Cleveland 1 Ohio

PARTS, Torque Converter

Spring Div Borg-Warner Corp Madison St & 25th Ave Bellwood Ill

PARTS, Transmission

All-O-Matic Mfg Corp 2099 Jericho Turnpike New Hyde Park N Y
Baker Mfg Co 5660 W River Rd Marine City Mich (For trucks and buses)
Beckett Bronze Co 20th & S Walnut Sts Muncie Ind (Bronze synchronized rings)
Cleveland Welding Div American Machine & Fdry Co W 117th St & Berea Rd Cleveland 11 Ohio (Rings)
Grey Rock Div of Raybestos-Manhattan Inc Manheim Pa
Kings County Centerless Grinding Co 555 36th St Union City N J (Countershafts)
Lempco Products Inc 5490 Dunham Rd Bedford Ohio (Automatic)
Napco Industries Inc Northwestern Parts Div 834 N Seventh St Minneapolis 11 Minn
National Machine Works Inc 1800 S Broadway Oklahoma City 9 Okla (Ball seats)
Neff-Perkins Co 33 Stage Ave Painesville Ohio (O-rings and seals for automatic transmissions)
Raybestos Div of Raybestos-Manhattan Inc 75 E Main St Stratford 2 Conn
Republic Gear Co 2197 Beaufait Ave Detroit 7 Mich (Automatic)
Saginaw Steering Gear Div General Motors Corp 3900 Holland Rd Saginaw Mich
Sealed Power Corp 2001 Sanford St Muskegon Heights Mich (Automatic transmission rings)
Spring Div Borg-Warner Corp Madison St & 25th Ave Bellwood Ill (Automatic)
Thompson Products Michigan Div Thompson-Ramo-Wooldridge Inc 34201 Van Dyke Ave Warren Mich (Pumps)
Thompson Products Motor Equipment Mfg Div Thompson-Ramo-Wooldridge Inc 6402 Cedar Rd Cleveland 3 Ohio (Valves for tractors)
Toledo Steel Products Div of Thompson-Ramo-Wooldridge Inc 6402 Cedar Rd Cleveland 3 Ohio (Automatic)
Velvetouch—See S K Wellman Co
Wausau Motor Parts Co P O Box 318 Schofield Wis (Rings)
Wellman Co S K 200 Egbert Rd Bedford Ohio "Velvetouch" (Disc and gaskets for automatic transmissions)
Western Automotive Co 2300 S Parkway Chicago 16 Ill

PARTS, Truck Body (Plastic)

D E K Mfg Co 420 E Pine St Orrville Ohio
General Tire & Rubber Co Englewood & Holmes Ave Akron 9 Ohio
General Body Mfg Co 713 W Pennway Kansas City Mo "Han-D-Van" (Front end sections)
Molded Fiber Glass Body Co 4601 Benefit Ave Ashtabula Ohio (Molded fiberglass)
Montpelier Mfg Co Montpelier Ohio (Roofs for delivery trucks)

PARTS, Truck Body (Steel)

Anzick Auto Body Parts Co 23675 Mound Rd Van Dyke Mich "Fit-Rite"
Bath & Co Cyril 32400 Aurora Rd Solon Ohio (Roof rails and bows body posts door frames wheelhouse angles etc)
Binkley Mfg Co Warrentown Mo (Roof rails corners bows rub rails etc)
Boardman Co., 1401 S. W. 11th St., Oklahoma City, Okla.
Crown Steel Products Co 1330 N Main St Orrville Ohio (Roofs hoods fenders etc.)
Cutler Metal Products Co., 1025 Line St., Camden, N. J.
Fit-Rite—See Anzick Auto Body Parts Co
Hart Metal Products Corp 3333 Hammond Ave Elkhart Ind (Corner posts roof bows and caps rub rails etc)
Kirk & Blum Mfg Co 3120 Forrer St Cincinnati 9 Ohio
Metalcraft Automotive Div Inc of Metalcraft Engrg Corp Box 386 North Side Branch Atlanta Ga
Met-L-Wood Corp 6755 W 65th St Chicago 38 Ill
Midwest Body & Mfg Div Electrographic Corp S Central St Paris Ill
Nash Bros Co 2125 Dewey Ave Evanston Ill
Parish Pressed Steel Div of Dana Corp Robeson & Weiser Sts Reading Pa (Cross sills corner rolls liner slats lintels etc)
Randall Co 5000 Spring Grove Ave Cincinnati 32 Ohio (Roof bows)
Rex Metal Parts Co 1295 W 78th St Cleveland 2 Ohio
Servwell Products Co., 6519 Euclid Ave., Cleveland 3, Ohio.

PARTS, Truck Body (Wood)

Avery Body Co W G 3002 N Mill St Jackson Mich (Body floors, side racks, cushion front seat assemblies, etc)
Cook & Co Hazlehurst Ga

PARTS, Universal Joint

Alco—See Alloy Mfg Co
Alloy Mfg Co 3207 S Shields Ave Chicago 16 Ill "Alco" "Alloy" "Quality Built"
Dana Corp 4100 Bennett Rd Toledo 1 Ohio "Spicer"
Elgin Machine Works Inc 412 N State St Elgin Ill
Motive Equipment Mfrs., Inc., 5253 W. Roosevelt Rd., Chicago 50, Ill. "Pilot."
Motor Master Products Corp P O Box 278 Defiance Ohio
Napco Industries Inc Northwestern Auto Parts Div 834 N Seventh St Minneapolis 11 Minn
Neapco Products Inc South & Cross Sts Pottstown Pa
Perfect Parts Inc 43 W 23rd St NY 10 N Y
Pilot—See Motive Equipment Mfrs., Inc.
Porte Mfg Co 3179 Atlantic Ave Brooklyn 8 N Y "Porto"
Porto—See Porte Mfg. Co.
Precision Universal Joint Corp., 615 S. California Ave., Chicago 12, Ill.
Quality Built—See Alloy Mfg. Co.
Republic Gear Co 2197 Beaufait Ave Detroit 7 Mich
Spicer—See Dana Corp
Wesco—See Western Automotive Co
Western Automotive Co 2300 S Parkway Chicago 16 Ill "Wesco"

PARTS, Water Pump

(For Shafts—see Shafts, Water Pump)

Accurate Products Inc 135 N Spring St Indianapolis Ind
Alloy Mfg. Co., 3207 S. Shields Ave., Chicago 16, Ill. "Quality Built."
Aluminum Industries Inc 3670 Werk Rd Cincinnati 11 Ohio "Permite" (Assemblies impellers packing nuts and bushings)

Elgin Machine Works Inc 412 N State St Elgin Ill
Ertel Products Corp Repl Div of Ertel Mfg Corp 1402 E 20th St Indianapolis 7 Ind
Grapho Products Inc P O Box 8604 Lawrence Ind
Jambor Tool & Stamping Co 3057 N 30th St Milwaukee 10 Wis
Keystone Carbon Co 1935 State St St Marys Pa
L C Products Inc 2232 Alvord St Indianapolis 7 Ind
Lion Auto Parts & Mfg. Co., 1920 S. Michigan Ave., Chicago 16, Ill.
McQuay-Norris Mfg. Co., 2320 Marconi St., St. Louis, Mo. (Impellers, assemblies, shafts, nuts and bushings.)
Master Parts Div Airtex Products Inc Fairfield Ill
National—See Wheel Parts & Mfg Co
Parco—See Parts Mfg Co
Parts Mfg Co 311 W 66th St New York 23 N Y "Parco"
Permite—See Aluminum Industries Inc
Quality Built—See Alloy Mfg. Co.
Sealed Power Corp 2001 Sanford St Muskegon Heights Mich
Thompson Products Motor Equipment Mfg Div Thompson-Ramo-Wooldridge Inc 6402 Cedar Rd Cleveland 3 Ohio
Toledo Steel Products Div of Thompson-Ramo-Wooldridge Inc 6402 Cedar Rd Cleveland 3 Ohio
WMP—See Warner Machine Products Inc
Warner Machine Products Inc 1200 Rochester St Muncie Ind "WMP"
Wheel Parts & Mfg Co 352 Fourth Ave N Y 10 N Y "National"
Wohlert Corp 700 E Grand River Ave Lansing 5 Mich

PARTS, Windshield Wiper

Air-Push—See Sprague Devices Inc
Anco—See Anderson Co.
Anderson Co 1075 Grant St Gary 40 Ind "Anco" (Arms, blades and motors)
Balance Pressure—See Zaiger Corp
Blade-Masters—See Nemic Mfg Co
Curve-matic—See Zaiger Corp
Curve-Wipe—See Zaiger Corp
Glider—See Zaiger Corp
Nemic Mfg Co 10 Cottage Grove St S W Grand Rapids Mich "Blade-Masters" (Aids)
Sprague Devices Inc 500 Huron St Michigan City Ind "Air-Push" (Motors)
Trico Products Corp., 817 Washington St., Buffalo 3, N. Y. ("Trico Arctic" Blades, arms and air motors; "Trico Rainbow," "Trico Triple Action" & "Trico Cam-O-matic" blades)
Truckstell Mfg Co 3490 W 140th St Cleveland 11 Ohio "Zippy"
Victor Instrument Mfg. Co., 33 W. 60th St., New York 23, N. Y. (Blades and arms.)
Zaiger Corp 589 Essex St Lynn Mass "Curve-matic" "Curve-Wips" "Glider" (Blades; "Balanced Pressure" arms)
Zippy—See Truckstell Mfg Co

PARTS and FITTINGS, Heater

B & B—See Bishop & Babcock Mfg. Co.
Bishop & Babcock Mfg Co 4901 Hamilton Ave N E Cleveland 14 Ohio "B & B" (Cores)
Blackstone Corp 1111 Allen St Jamestown N Y (Cores)
Curtis Automotive Devices Inc P O Box 297 Westfield Ind (Control valves)
Dole Valve Co 6201 Oakton St Morton Grove Ill (Control valves)
E. A. Laboratories, Inc., 636 Myrtle Ave., Brooklyn 5, N. Y.
Everhot Products Co., 2001 W. Carroll Ave., Chicago 12, Ill.
Fedders-Quigan Corp., 57 Tonawanda St., Buffalo 7, N. Y. (Heater cores.)
HaDees Heater Products Huppower Div Hupp Corp 7450 Melville Ave Detroit 17 Mich
Loock & Co R J 343 N Gay St Baltimore Md
Melvina Can Machinery Co 52-24 57th Drive Maspeth L I N Y (Components)
Modine Mfg Co 1500 DeKoven Ave Racine Wis (Cores)
Paragon Products Corp 140 Astor St Newark 5 N J "Vulcan" (Valves for Ford and Mercury cars; sole distributors Vulcan Motor Products Inc 1060 Broad St Newark 2 N J)
Perfect Parts Inc 43 W 23rd St N Y 10 N Y
Preferred Electric & Wire Co Bush Terminal Bldg No 8 Brooklyn 32 N Y
Ranco Inc., 601 W. Fifth Ave., Columbus 1, Ohio. (Control valves.)
Vulcan—See Paragon Products Corp
Weatherhead Co Ft Wayne Div 128 W Washington Blvd Ft Wayne Ind (Valves)
Weldon Tool Co 3000 Woodhill Rd Cleveland 4 Ohio (Fuel pumps)
Young Radiator Co., 709 S. Marquette St., Racine, Wis. (Heater cores.)

PASTE, Gasket Making

Duroyd Gasket & Die Mfg Co. 1828 Amsterdam Ave New York N Y
Flexrock Co Packing Div 36th & Filbert Sts Philadelphia 4 Pa "Plastic Gasket"
Gaskatex—See Johns-Manville Dutch Brand Div
Gasket-Makers—See P O B Mfg Co
Hollingshead Corp., R. M., 840 Cooper St., Camden, N. J. "Whiz."
Johns-Manville Dutch Brand Div 7800 Woodlawn Ave Chicago 19 Ill "Gaskatex"
Mobo—See John T. Stanley Co.
P. O. B. Mfg. Co., 3215 Colerain Ave., Cincinnati, Ohio. "Gasket-Makers."
Permatex Co 300 Broadway Huntington Station N Y "Form-A-Gasket"
Plastic Gasket—See Flexrock Co., Packing Div.
Stanley Co., John T., 642 W. 30th St., New York, N. Y. "Mobo."
Sure-Rite—See Warehouse Dist Co
Warehouse Distributing Co 3510 N 19th St Philadelphia 40 Pa "Sure-Rite"
Whiz—See R. M. Hollingshead Corp.

PASTE, MASKING—See Compounds, Masking

PEDAL PADS—See Pads, Pedal

PEDALS, Accelerator

Anchor Rubber Products Div of Anchor Industries Inc 1725 London Rd Cleveland 12 Ohio "Tuftex"
Armor-Flex—See Doan Mfg Div
Doan Mfg Div. of Anchor Industries Inc 1725 London Rd Cleveland 12 Ohio "Armor-Flex"
Duffy Mfg. Co., Holland, Mich.
Globe Rubber Products Corp 3333 N Lawrence St Philadelphia 40 Pa
Handee Twin-Throttle—See Manbee Equip Div Bear Mfg Co
Kastar, Inc., 200 Lincoln Ave., New York 54, N. Y.
King Bee Mfg Co 2600 Washington Blvd Bellwood Ill
Lightnin—See R. J. Loock & Co.
Loock & Co., R. J., 343 N. Gay St., Baltimore, Md. "Lightnin."
Manbee Equipment Div Bear Mfg Co P O Box 607 Rock Island Ill "Handee Twin-Throttle" (Extra)
Standard Products Co 2130 W 110th St Cleveland 2 Ohio
Tuftex—See Anchor Rubber Products Div of Anchor Industries Inc

PHENOLIC MOLDING MATERIALS — See Plastics—Materials

PHENOLIC PARTS — See Plastics — Cast; Laminated; Molded; also Sheets, Rods, Tubes and Filaments

PICKLE CONTROL CHEMICALS—See Chemicals, Pickle Control

PICKLING ACIDS—See Acids, Pickling

PICKLING MACHINES—See Machines, Pickling

PICKLING TANKS—See Tanks, Metal Pickling

PICKUP TOOLS—See Tools, Nut, Screw or Bolt Holding

PIG IRON—See Iron, Pig

PILING CONVEYORS—See Elevators, Industrial (Portable)

PINIONS—See Gears and Pinions

PINS, CLEVIS—See Pins, Yoke

PINS, Cotter

Acco—See American Chain Div. of American Chain & Cable Co.
Allmetal Screw Products Co 821 Stewart Ave Garden City N Y (Stainless steel)
American Chain Div of American Chain & Cable Co 454 E Princess St York Pa "Acco," "Campbell"
American Steel Co (PO Box 230) Sixth & Spring Sts Ellwood City Pa "Kelkotters"
Anti-Corrosive Metal Products Co Castleton-on-Hudson N Y (Stainless steel)
Atlas Bolt & Screw Co., 1130 Ivanhoe Rd., Cleveland 10, Ohio.
Autoscrew Co., 216 W. 18th St., New York, N. Y. (Monel metal and stainless steel.)
Brooks & Sons Inc., M. S., Chester, Conn.
Campbell — See American Chain Div. of American Chain & Cable Co.
Chase Brass & Copper Co., 236 Grand St., Waterbury 20, Conn.
Hercules Fastener Corp 2722 N Clybourn Ave Chicago 14 Ill "Sturdi-Bolt"
Hubbard Spring Mfg. Co., M. D., 646 Central Ave., Pontiac, Mich.
Kelkotters—See American Steel Co.
Lamson & Sessions 5000 Tiedeman Rd Cleveland 9 Ohio
National Screw & Mfg. Co., 2440 E. 75th St., Cleveland 4, Ohio.
Perfect Parts Inc 43 W 23rd St N Y 10 N Y
Sterling Bolt Co 363 W Erie St Chicago 10 Ill
Sturdi-Bolt—See Hercules Fastener Corp
United Screw & Bolt Corp 3590 W 58th St Cleveland O
W W—See Western Wire Products Co.
Western Wire Products Co 1415 S 18th St St Louis Mo "W W" (Assortments)

PINS, Drive

Elastic Stop Nut Corp of America 2330 Vauxhall Rd Union N J

PINS, King

Aluminum Industries Inc 3670 Werk Rd Cincinnati 11 Ohio "Permite"
Andrew Parts Mfg Co 32-70 31st St Long Island City 6 N Y
Austin Trailer Equipment Co., 1148 W. Western Ave., Muskegon, Mich. (Trailer.)
Brown Corp., 213 Bellevue Ave., Syracuse, N. Y.
Bull Dog—See Jambor Tool & Stamping Co.
Chicago Screw Co Div of Standard Screw Co 2701 Washington Blvd Bellwood Ill "Stanscrew"
Cleveland Cap Screw Co 4444 Lee Rd Cleveland 28 Ohio
Elgin Machine Works Inc 412 N State St Elgin Ill (Assemblies)
Ertel Products Co Repl Div of Ertel Mfg Corp 1402 E 20th St Indianapolis 7 Ind
Gilpak Automotive Products Div Packer Auto Parts Inc Roselle N J (Sets)
Holland Hitch Co 430 W 18th St Holland Mich
Jambor Tool & Stamping Co., 3057 N. 30th St., Milwaukee, Wis "Bull Dog." (For Ford cars)
Kings County Centerless Grinding Co 555 36th St Union City N J
McQuay-Norris Mfg Co 2320 Marconi Ave St Louis Mo
Master Parts Div Airtex Products Inc Fairfield Ill
Moog Industries Inc 6565 Wells Ave St Louis 32 Mo
National—See Wheel Parts & Mfg Co
Neapco Products Inc South & Cross Sts Pottstown Pa
Parco—See Parts Mfg Co
Parts Mfg Co 311 W 66th St New York 23 N Y "Parco"
Permite—See Aluminum Industries Inc
Shuler Axle Co 2901 S Second St Louisville 8 Ky
Stanscrew—See Chicago Screw Co
Superior Machine Tool Co 329 E Firmin St Kokomo Ind
Thompson Products Motor Equipment Mfg Div Thompson-Ramo-Wooldridge Inc 6402 Cedar Rd Cleveland 3 Ohio
Toledo Steel Products Div of Thompson-Ramo-Wooldridge Inc 6402 Cedar Rd Cleveland 3 Ohio
Transit Parts Co 35700 Vine St Willoughby Ohio (For buses, trucks and trailers)
Trayer Products Inc E Clinton St Elmira N Y
Wheel Parts & Mfg Co 352 Fourth Ave N Y 10 N Y "National"
Wohlert Corp 700 E Grand River Ave Lansing 5 Mich

PINS, King (For Truck Trailers)

Miller Industries 213 E Cortland St Jackson Mich

PINS, Lock

Trayer Products Inc E Clinton St Elmira N Y

PINS, Piston

Accuralite—See American Hammered Auto Repl Div

PINS, Piston—continued

Aluminum Industries Inc 3670 Werk Rd Cincinnati 11 Ohio "Permite"
American Hammered Automotive Replacement Div of Sealed Power Corp Accuralite Div 2001 Sanford St Muskegon Mich "Accuralite"
Andrew Parts Mfg Co 32-70 31st St Long Island City 6 N Y
B-N Perfectlap—See Burgess-Norton Mfg Co.
Brown Corp., 313 Bellevue Ave., Syracuse, N. Y.
Burgess-Norton Mfg Co 737 Peyton St Geneva Ill "B-N Perfectlap"
Elgin Machine Works Inc 412 N State St Elgin Ill
Ertel Mfg Co 2045 Martindale Ave Indianapolis 7 Ind
Ertel Products Co Repl Div of Ertel Mfg Corp 1402 E 20th St Indianapolis 7 Ind
Kings County Centerless Grinding Co 555 36th St Union City N J
McQuay-Norris Mfg. Co., 2320 Marconi St., St. Louis, Mo.
Marquette Div Curtiss-Wright Corp 1145 Galewood Drive Cleveland 10 Ohio
Monmouth Products Co., 6545 Carnegie Ave., Cleveland 3, Ohio.
Nylen Products Inc U S 12 Bridgman Mich
OSP—See Ottawa Steel Products, Inc.
Ottawa Steel Products, Inc., 745 Woodlawn Ave., Grand Haven, Mich. "OSP."
Perfect Parts Inc 43 W 23rd St New York 10 N. Y.
Permite—See Aluminum Industries, Inc
Sealed Power Corp 2001 Sanford St Muskegon Heights Mich
Simplex Products Corp 3830 Kelly Ave Cleveland Ohio
Superior—See White Machine Works
Thompson Products Motor Equipment Mfg Div Thompson-Ramo-Wooldridge Inc 6402 Cedar Rd Cleveland 3 Ohio
Toledo Steel Products Div of Thompson-Ramo-Wooldridge Inc 6402 Cedar Rd Cleveland 3 Ohio
White Machine Works, 1401 Bellevue Ave., Eau Claire, Wis. "Superior."

PINS, Yoke

Atlas Bolt & Screw Co 1130 Ivanhoe Rd Cleveland 10 Ohio
Buckeye Forging Co 9217 Miles Ave Cleveland 5 Ohio
Cleveland—See H K Porter Co
Ferry Screw Products Inc E W 5240 Smith Rd Cleveland 30 Ohio
Groov-Pin Corp 1125 Hendricks Causeway Ridgeway N J
National Screw & Mfg. Co., 2440 E. 75th St., Cleveland 4, Ohio.
Perfect Parts Inc 43 W 23rd St N Y 10 N Y
Porter Co H K Forge & Fittings Div Cleveland Forge Works 3200 E 79th St Cleveland 4 Ohio "Cleveland"
Townsend Co Engineered Fasteners Div P O Box 70 Ellwood City Pa

PIPES, Tail and Exhaust

(See also Tubing, Flexible Metallic)

AP Parts Corp., AP Bldg., 1801 Spielbusch Ave., Toledo 1, Ohio.
Alexander-Tagg Industries Inc Jacksonville Rd & Summit Ave Hatboro Pa
Arvin Industries Inc 13th St & Big Four RR Columbus Ind (Exhaust)
De Koven Mfg Co 1201 Michigan Blvd Racine Wis
Douglass Muffler Mfg Corp 5636 Shull St Bell Gardens Calif
Everbend—See Everhot Products Co.
Everhot Products Co., 2001 W. Carroll Ave., Chicago 12, Ill. "Everbend." (Bendable.)
Formed Tubes Inc S Prairie & Albert Sts Sturgis Mich
Goerlich's, 619 Smith St., Toledo 1, Ohio
Grand Automotive Products 2055 N Ruby St Melrose Park Ill
Haviland Co Arnold 1008 S Jackson St Defiance Ohio
Hy-Power—See Lion Auto Parts & Mfg Co
International Parts Corp 4101 W 42nd Pl Chicago 32 Ill
Lion Auto Parts & Mfg Co 1920 S Michigan Ave Chicago 16 Ill "Hy-Power"
McCord Corp Riopelle at E Grand Blvd Detroit 11 Mich
Maremont Muffler Div of MarPro Inc Maremont Bldg 168 N Michigan Ave Chicago 1 Ill (Also bendable)
Michigan Steel Tube Products Div Standard Tube Co 24400 Plymouth Rd Detroit 39 Mich
Northern Tube Co Pinconning Mich
Ohio Parts Inc 307 Perry St Defiance Ohio
Porter Muffler Mfg Co 11820 W Olympic Blvd Los Angeles 64 Calif
Powell Muffler Co 4235 W 42nd Pl Chicago 32 Ill
Pratt Muffler Div of MarPro Inc 168 N Michigan Ave Chicago Ill
Riker Mfg Inc 4901 Stickney Ave Toledo 11 O (Tail)
Ryder Mfg Co 220 N Ada St Chicago 7 Ill
Smithy's Muffler Co 6009 S Malt Ave Los Angeles 22 Calif
Tube Products Corp 320 N 2nd St Tipp City Ohio "Tippecanoe"
Walker Mfg Co of Wis 1201 Michigan Blvd Racine Wis
Western Piping & Engrg Co 123 Kansas St San Francisco 3 Calif (For trucks and buses)

PIPING, EXHAUST AND INTAKE—See Manifolds, Intake and Exhaust

PISTON BORING MACHINES (AUTOMATIC)—See Machines, Piston Boring (Automatic)

PISTON CENTER DRILLING and FACING MACHINES—See Machines, Piston Center Drilling and Facing

PISTON MAKING MACHINES—See Machines, Piston Making

PISTON PINS—See Pins, Piston

PISTON RING GRINDERS—See Machines Grinding (Piston Ring)

PISTON RINGS—See Rings, Piston

PISTONS

(For piston castings—See Castings)

Accuralite—See American Hammered Auto Repl Div
Al-Fin Div Fairchild Engine & Airplane Corp Babylon L I N Y (Aluminum with **bonded-in cast iron ring carriers)**
Aluminum Alloys Corp 6650 Walton St Detroit 10 Mich "Ray Day"
Aluminum Industries Inc 3670 Werk Rd Cincinnati 11 Ohio "Permite"
American Hammered Automotive Replacement Div of Sealed Power Corp Accuralite Div 2001 Sanford St Muskegon Mich "Accuralite"
Anchor-Tite—See Sterling Aluminum Products Inc
Arrow Head Steel Products Co Howell Mich **(Aluminum alloy Vanasil and cast iron)**
Badger Mfg Co 1505 City Court Marinette Wis **(Aluminum alloy)**
Bohn Aluminum & Brass Corp 1400 Lafayette Bldg Detroit 26 Mich "Bohnalite"
Bohnalite—See Bohn Aluminum & Brass Corp
Conformatic—See Sterling Aluminum Products Inc
Continental Motors Corp., Muskegon 32 Mich
De Luxe—See Ohio Piston & Machining Co
Dualoy—See United Engine & Machine Co
Edebrock Equipment Co 4921 W Jefferson Blvd Los Angeles 16 Calif **(Oversize)**
Elgin Machine Works Inc 412 N State St Elgin Ill
Ertel Mfg Co 2045 Martindale Ave Indianapolis 7 Ind (Aluminum and cast iron)
Ertel Products Co Repl Div of Ertel Mfg Corp 1402 E 20th St Indianapolis 7 Ind **(Aluminum and cast iron)**
G & E—See Gillett & Eaton Inc
Gillett & Eaton Inc 8th & Doughty Sts Lake City Minn "G & E" (Aluminum alloy and semi-steel)
Hy-Duty Products Corp 1801 S Hope St Los Angeles 15 Calif (Aluminum)
Hyten—See Ohio Piston Co
Intra-Cast—See Sterling Aluminum Products Inc
Lo-Ex—See Ohio Piston & Machining Co
Lynite—See Ohio Piston & Machining Co
McQuay-Norris Mfg. Co., 2320 Marconi St., St. Louis, Mo.
Nylen Products Inc U S 12 Bridgman Mich (Aluminum and gray iron)
Ohio Piston & Machining Co 5340 Hamilton Ave Cleveland 14 Ohio ("Lo-Ex" & "Lynite" aluminum; "Hyten"; "De Luxe" cast iron; "Strutype" steel insert aluminum)
Permite—See Aluminum Industries Inc
Powerforged—See Thompson Products Light Metals Div
Ray Day—See Aluminum Alloys Corp
Sealed Power Corp 2001 Sanford St Muskegon Heights Mich
Silv-O-Lite—See United Engine & Machine Co
Sterling Aluminum Products Inc 2600 N Third St St Charles Mo "Conformatic" "Intra-Cast" "Sterling" "Anchor-Tite" (Aluminum)
Strutype—See Ohio Piston & Machining Co
Superior—See White Machine Works.
Thompson Products Light Metals Div Thompson-Ramo-Wooldridge Inc 2269 Ashland Rd Cleveland 3 Ohio (Aluminum alloy; "Powerforged" extruded)
Toledo Steel Products Div of Thompson-Ramo Wooldridge Inc 6402 Cedar Rd Cleveland 3 Ohio
Triplex Corp of America Div of Aluminum Industries Inc P O Box 666 Pueblo Colo (Aluminum)
United Engine & Machine Co 310 Preda St San Leandro Calif "Dualloy" & "Silv-O-Lite"
White Machine Works, 1401 Bellevue Ave., Eau Claire, Wis. "Superior."
Zollner Corp Bueter Rd Fort Wayne Ind (Aluminum alloy)

PLANERS, Metal Working

Cleveland Planer Co 3148 Superior Ave N E Cleveland 14 Ohio (Open side)
Giddings & Lewis Machine Tool Co Fond du Lac Div Fond du Lac Wis

PLANER TOOLS AND ATTACHMENTS—See Holders, Tool; also Tools, Lathe, Planer, Slotter and Shaper

PLASTIC TANKS—See Tanks, Plastic

PLASTICS

Cast (Phenolic and Resin)

Durez Plastics Hooker Chemical Corp 1910 Walck Rd North Tonawanda N Y
Epibond—See Furane Plastics Inc
Epocast—See Furane Plastics Inc
Furane Plastics Inc 4516 Brazil St Los Angeles 39 Calif "Epibond" "Epocast" (Resin for tooling)
Kish Industries Inc 1301 N Turner St Lansing 6 Mich (Epoxy resin)
Ren Plastics Inc 5422 S Cedar Rd Lansing 4 Mich (Resin for tooling)

Foam

Airthane Corp 7847 W 47th St Lyons Ill Louis 15 Mo "Air-thane" (Polyether)
American Latex Products Corp 3341 W El Segundo Blvd Hawthorne Calif "Stabond"
Burkart Mfg Co F Div of Textron Inc 4900 N Second St St Louis 7 Mo "Burkartfoam" (Polyurethane)
Dow Chemical Co Midland Mich "Pelaspan" "Styrofoam"
Forest City Products Inc Industrial Products Div 722 Oliver Rd Cleveland 15 Ohio (Vinyl)
General Tire & Rubber Co Industrial Products Div Wabash Ind
National Aniline Div Allied Chemical & Dye Corp 40 Rector St New York N Y
Pelaspan—See Dow Chemical Co
Stabond—See American Latex Products Corp
Styrofoam—See Dow Chemical Co

Laminated (Phenolic, Etc.)

ABK—See American Brakeblok Div
American Brakeblok Div American Brake Shoe Co 900 W Maple Rd Troy Mich "ABK"
Continental-Diamond Fibre Corp Newark 2 Del "Dilecto"
Dilecto—See Continental-Diamond Fibre Corp
Farley & Loetscher Mfg Co Plastics Div Dubuque Iowa "Farlite"
Farlite—See Farley & Loetscher Mfg Co
Formica Corp 4614 Spring Grove Ave Cincinnati 32 Ohio (Phenolic)
Franklin Fibre-Lamitex Corp 18th St E of Market St Wilmington Del "Lamitex"
G E Textolite—See General Electric Co
General Electric Co Chemical Div 1 Plastics Ave Pittsfield Mass "GE Textolite"
Kish Industries Inc 1301 N Turner St Lansing 6 Mich (Epoxy)
Lamitex—See Franklin Fibre-Lamitex Co.
National Vulcanized Fibre Co., Maryland Ave & Beech St., Wilmington 99, Del "Phenolite"
Ohmold—See Wilmington Fibre Specialty Co.
Panelyte Div St Regis Paper Co 150 E 42nd St New York 17 N Y
Penn Fibre & Specialty Co 2024 E Westmoreland St Philadelphia 34 Pa
Phenolite—See National Vulcanized Fibre Co
R/M—See Raybestos-Manhattan Inc
Raybestos-Manhattan Inc Equipment Sales Div P O Box 1021 Bridgeport Conn "R/M"

Spaulding Fibre Co., 310 Wheeler St., Tonawanda, N. Y. "Spauldite."
Spauldite—See Spaulding Fibre Co.
Synthane Corp., Oaks, Pa.
Taylor Fibre Co Norristown 49 Pa (Also metal clad laminated)
Westinghouse Electric Corp Micarta Div Hampton S C (Phenolic)
Wilson Camera Co 1401 Lawrence Rd Havertown Pa
Wilmington Fibre Specialty Co New Castle Del "Ohmoid"

Materials (Phenolic, Urea, Cellulose, Acetate, Casein, Polystyrene, Nylon, etc.)

(Molding powders, resins, impregnated fabric and paper, etc.)

Ace-Hide—See American Hard Rubber Co
Adhere Inc., 1220 Maple Ave., Los Angeles 15, Calif. "Toolite." (Phenolic liquid compound.)
Alathon—See E I du Pont de Nemours & Co
American Cyanamid Co Plastics & Resins Div 30 Rockefeller Plaza New York 20 N Y "Beetle" (Urea-formaldehyde molding compound "Cymel" melamin - formaldehyde molding compound; "Cymac" methylstyrene molding compound)
American Hard Rubber Co Div Amerace Corp Ace Rd Butler N J "Ace-Hide" (Rubber base)
Bakelite—See Union Carbide Plastics Co
Beetle—See American Cyanamid Co
Borden Chemical Co Div of Borden Co 350 Madison Ave New York 17 N Y (Vinyl compounds)
Butacite—See E. I. du Pont de Nemours & Co.
Calcerite—See Furane Plastics Inc
Celanese Corp of America Plastic Div 290 Ferry St Newark 5 N J "Celanese" (Acetate molding compounds; "Forticel" propionic molding compounds; "Fortiflex" polyethylene sheeting and film)
Celeron—See Continental - Diamond Fibre Corp
Chemical Products Corp King Philip Rd East Providence R I "Chem-o-sol" (Vinyl plastisol)
Continental-Diamond Fibre Corp Newark 2 Del "Celoron"
Cycolac—See Marbon Chemical Div Borg-Warner Corp
Cymac—See American Cyanamid Co
Cymel—See American Cyanamid Co
Delrin—See E I du Pont de Nemours & Co
Dow Chemical Co Midland Mich "Styron" "Ethocel" "Tyril" (Polystyrene and polystyrene copolymer ethyl-cellulose polyvinylidene chloride polyvinyl chloride polyethylene)
Dow Corning Corp Midland Mich (Silicone molding compound)
du Pont de Nemours & Co E I Polychemicals Dept Plastic Sales Div Wilmington 98 Del ("Lucite" acrylic resin molding powders; "Teflon" fluorocarbon resin molding powders; "Butacite" polyvinyl butyral resin sheeting; "Alathon" polyethylene resin molding powders; "Zytel" nylon resin molding powders; "Delrin" acetal resin molding powders)
Durez Plastics Div Hooker Chemical Corp 1910 Walck Rd North Tonawanda N Y (Phenolic molding compounds and diallyl phthalate)
Ethocel—See Dow Chemical Co.
Forticel—See Celanese Corp of America
Fortiflex—See Celanese Corp of Amrica
Furane Plastics Inc 4516 Brazil St Los Angeles 39 Calif "Calcerite" & "Piaspreg"
Garan—See Johns-Manville Corp
Geon—See B. F. Goodrich Chemical Co.
Goodrich Chemical Co B F 3135 Euclid Ave Cleveland 15, Ohio "Geon" (Polyvinyl.)
Grex—See Polymer Chemicals Div
Hercules Powder Co Cellulose Products Dept 964 Market St Wilmington 99 Del "Hi-fax" (High-density ethylene polymert molding powder; "Penton" chlorinated polyether molding powder; "Pro-fax" polypropylene molding powder)
Hi-fax—See Hercules Powder Co
Johns-Manville Corp Industrial Insulation Div 22 E 40th St New York N Y "Garan" "Vitron"
Kish Industries Inc 1301 N Turner St Lansing 6 Mich
Kralastic—See Naugatuck Chemical Div of United States Rubber Co
Lucite—See E. I. du Pont de Nemours & Co.
Lustrex—See Monsanto Chemical Co.
Marbon Chemical Div Borg-Warner Corp Box 68 Washington W Va "Cycolac" (Acrylonitrile-butadiene-styrene)
Marvinol—See Naugatuck Chemical Div United States Rubber Co
Merlon—See Mobay Chemical Co
Mobay Chemical Co 1815 Washington Rd Pittsburgh 34 Pa "Multron" (Polyester resin; "Multrathane" elastomers; "Merlon" polycarbonate)
Molded Fibre Glass Body Co 4601 Benefit Ave Astabula Ohio (Fiberglass reinforced)
Molded Products Corp., 4533 W. Harrison St., Chicago, Ill.
Monsanto Chemical Co Plastics Div Springfield 2 Mass ("Lustrex" styrene molding compounds "Resimene" melamine molding compounds "Resinox" phenolic molding compounds; "Opalon" vinyl chloride compounds; "Monsanto" polythylene molding compound)
Multrathane—See Mobay Chemical Co
Multron—See Mobay Chemical Co
Naugatuck Chemical Div of U S Rubber Co 523 Elm St Naugatuck Conn "Marvinol" (Polyvinyl chloride resin; "Kralastic" resin-rubber compound)
Nylasint—See Polymer Corp
Nylatron—See Polymer Corp
Opalon—See Monsanto Chemical Co Plastic Div
Penton—See Hercules Powder Co
Pittsburgh Plate Glass Co Fibre Glass Div 1 Gateway Center Pittsburgh 22 Pa (Fibre glass yarns strands and roving)
Plaskon—See Plastic & Resins Sales
Piaspreg—See Furane Plastics Inc
Plastic & Resin Sales Plastic & Coal Chemicals Div Allied Chemical Corp 40 Rector St New York 6 N Y "Plaskon"
Plexiglas—See Röhm & Haas Co.
Polymer Chemicals Div W R Grace & Co 225 Allwood Rd Clifton N J "Grex" (Polyethylene resin)
Polymer Corp 2120 Fairmont Ave Reading Pa "Nylasint" & "Nylatron" (Nylon powder)
Pro-fax—See Hercules Powder Co
Ren Plastics Inc 5422 S Cedar Rd Lansing 4 Mich (Epoxy tooling compound)
Resimene—See Monsanto Chemical Co., Plastics Div.
Resinox—See Monsanto Chemical Co., Plastics Div.
Rezolin Inc 1651 18th St Santa Monica Calif "Rezolin Toolplastik" (Cast phenolic epoxy resin for metal forming tools)
Rogers Corp Rogers Conn
Röhm & Haas Co., 222 W. Washington Sq., Philadelphia 5, Pa. "Plexiglas." (Acrylic resin molding powder)
Sawyer Co A J East Aurora N Y
Strick Trailer Div of Fruehauf Trailer Co 9th & Spruce Sts Perkasie Pa
Styron—See Dow Chemical Co.
Teflon—See E I du Pont de Nemours & Co
Tenite—See Tennessee Eastman Co; also Texas Eastman Co
Tennessee Eastman Co Kingsport Tenn "Tenite" (Cellulose acetate; cellulose-acetate butyrate and cellulose acetate propionate; sole distributors Eastman Chemical Products Inc Kingsport Tenn)
Texas Eastman Co Div of Eastman Kodak Co Longview Tex (Polyethylene and polypropylene "Tenite"; sole distributors Eastman Chemical Products Inc Kingsport Tenn)
Toolite—See Adhere Inc
Tyril—See Dow Chemical Co
U S Royalite—See United States Rubber Co
Union Carbide Plastics Co Div of Union Carbide Corp 30 E 42nd St New York 17 N Y "Bakelite" (Phenolic polystyrene polyethylene vinyl chloride vinyl acetate vinyl butyral and epoxy resins)
United States Rubber Co Rockefeller Center 1230 Ave of the Americas New York 20 N Y "U S Royalite" (Vinyl chloride)
Vitron—See Johns-Manville Corp
Zytel—See E I du Pont de Nemours & Co

Molded (Phenolic, Urea, Cellulose Acetate, Polystyrene, etc.)

Acadia Div Western Felt Works 4115 W Ogden Ave Chicago 23 Ill "Westfelt" (Synthetic resin)
Ace Plastic Co 91-30 Van Wyck Expressway Jaimaca 35 N Y
Alco—See American Insulator Corp
Ainsworth-Precision Castings Co Div of Harsco Corp 3200 Guardian Bldg Detroit 26 Mich
American Insulator Corp New Freedom Pa "Alco"
Amos Molded Plastics Div Amos-Thompson Co., 211 Ward St., Edinburg, Ind. (Cellulose-acetate, polystyrene, polyethylene, acrylic, etc.)
Armored Plastics Co Div of Globe-Wernicke Industries Inc Lint & Dura Aves Toledo 12 Ohio (Fiber glass reinforced to order)
Auburn Plastics Inc McMaster St Auburn N Y
Bakelite Corp., 30 E. 42nd St., New York 17, N. Y.
Bangor Plastics Inc Bangor Mich
Brilhart Plastics Corp Old Country Rd Mineola N Y
Brown Rubber Co Union St & Concord Rd Lafayette Ind (Vinyl and urethane foam)
Cambridge-Panelyte Molded Plastics Co Cambridge Ohio
Celoron—See Continental - Diamond Fibre Corp
Chicago Molded Products Corp 1020 N Kolmar Ave Chicago 51 Ill (Custom molders of instrument panel equipment nylon parts for carburetors etc)
Cimastra—See Cincinnati Milling Machine Co
Cincinnati Milling Machine Co Cimastra Div 4701 Marburg Ave Cincinnati 9 Ohio "Cimastra"
Colt's Plastics Co P O Box 507 North Grosvenordale Conn
Consolidated Molded Products Corp 329 Cherry St Scranton 2 Pa
Continental Diamond Fibre Corp Newark 1 Del "Celoron"
Continental Plastics Corp 2934 W Lake St Chicago 12 Ill
Crane Packing Co 6435 Oakton St Morton Grove Ill "John Crane" (Teflon)
Davies Molding Co Harry 1428 N Wells St Chicago 10 Ill (Handles knobs and controls)
Dimco-Gray Co 207 E Sixth St Dayton 2 Ohio
Dryden Rubber Div Sheller Mfg Corp 1014 S Kildare Ave Chicago 24 Ill
Eaton Mfg Co Heater Div E 65th St & Central Ave Cleveland 4 Ohio
Electric Auto-Lite Co Toledo 1 Ohio
Enrun—See United States Rubber Co
Erie Resistor Corp 644 W 12th St Erie 6 Pa
Felsenthal & Sons Inc G 3500 N Kedzie Ave Chicago 18 Ill (Custom molders of thermoplastic acrylic polyethylene nylon acetate butyrate etc)
Formica Corp 4614 Spring Grove Ave Cincinnati 32 Ohio (Phenolic)
Franklin Fibre-Lamitex Corp 18th St E of Market St Wilmington Del (Bakelite)
GRC—See Gries Reproducer Corp
Garlock Packing Co 402 Main St Palmyra N Y
General Industries Co., Olive St., Elyria, Ohio.
General Tire & Rubber Co Industrial Products Div Wabash Ind "Syloy" (Fiberglass)
Gisholt Machine Co 1307 E Washington St Madison 10 Wis "Gisholt Masterglas" (Fiberglas)
Gries Reproducer Corp Beechwood Ave & Second St New Rochelle N Y "GRC" (Thermoplastic and nylon)
Grote Mfg Co Lafayette & Grandview Aves Bellevue Ky
Gulliksen Mfg Co Wm M Newton Lower Falls 62 Mass (Phenolic, urea, melamines, diallyl phthalate and thermaflow)
Haveg Industries Inc Taunton Div 336 Weir St Taunton Mass
Imperial Molded Products Corp., 2925 W Harrison St., Chicago, Ill.
Inland Mfg Div General Motors Corp 2727 Inland Ave Dayton Ohio
Insurok—See Richardson Co
John Crane—See Crane Packing Co
Kish Industries Inc 1301 N Turner St Lansing 6 Mich
Kurz-Kasch Inc 1415 S Broadway Dayton 1 Ohio (Thermo-setting)
Lewis Co G B 426 Montgomery St Watertown Wis (Fiberglas reinforced)
Lincoln Molded Plastics Inc Corwin & Clinton Sts Circleville Ohio
MacDonald Mfg Co 550 Green St New Baltimore Mich (Bushings gaskets gears knobs arm rests lenses dials etc)
Metal Specialty Co., Este Ave. & B. & O. R. R., Cincinnati 32, Ohio. (Polystyrene nylon cellulose acetate, etc.)
Mic—See Molded Insulation Co
Modern Industrial Plastics Inc 3337 N Dixie Dr Dayton 14 Ohio
Molded Insulation Co 335 E Price St Philadelphia 44 Pa "Mic"
National Vulcanized Fibre Co Maryland Ave & Beech St Wilmington 99 Del
Norton Laboratories Inc 520 Mill St Lockport N Y (Dials knobs etc)
Panelyte Div St Regis Paper Co 150 E 42nd St N Y 17 N Y (Polystyrene, acrylics, polyethylene, etc)
Plasticite Corp 327 Rider Ave N Y 51 N Y (Cellulose acetate polystyrene polyethylene to order)
Quinn-Berry Corp 2601 W 12th St Erie Pa (Nylon cellulose acetate butyrate polystyrene polyethylene etc)
R/N—See Raybestos-Manhattan Inc Plastic Products Div
Raybestos-Manhattan Inc Plastic Products Div Manheim Pa "R/N" (Teflon)
Renaud Plastics Inc 5422 S Cedar St Lansing 9 Mich "Ren"
Richardson Co 2667 Lake St Melrose Park Ill "Insurok"
Sawyer Co A J East Aurora N Y

PLASTICS—continued

Molded—continued

Stimsonite Div of Elastic Stop Nut Corp of America 2445 N Kimball Ave Chicago 18 Ill (Acrylic, nylon and polyethylene)
Stokes Molded Products Div of Electric Storage Battery Co Taylor & Webster Sts Trenton 4 N J
Structural Fibers Inc Fifth Ave Chadron Ohio
Superior Plastics Inc 426 N Oakley Blvd Chicago 12 Ill "Superion" (Cellulose acetate butyrate vinylite ethylcellulose polystyrene methyl methacrylate polyvinyl chloride nylon and polystyrene)
Superion—See Superior Plastics Inc
Syloy—See General Tire & Rubber Co
United States Rubber Co Rockefeller Center 1230 Ave of the Americas N Y 20 N Y "Enrup" & "U S Royalite"
Wade Electric Products Co 211 N Jacobs St Sturgis Mich
Waterbury Companies Inc 835 S Main St Waterbury 20 Conn
Western Control Corp 2533 S West St Wichita Kans (Knobs washers brackets nuts etc)
Westfelt — See Acadia Div Western Felt Works
Westinghouse Electric Corp Micarta Div Hampton S C (Phenolic)
Woodall Industries Inc 7565 E McNichols Rd Detroit 34 Mich
Yardley Molded Plastics Inc 142 Parsons Ave Columbus 21 Ohio

Sheets, Rods, Tubes and Filaments

Acadia Div Western Felt Works 4115 W Ogden Ave Chicago 23 Ill (Synthetic resin sheets)
Ace Plastic Co 91-30 Van Wyck Expressway Jamaica 35 N Y
Anchor Plastics Co 36-36 36th St Long Island City 6 NY
Auburn Plastics Inc McMaster St Auburn N Y (Elastomeric vinyls butyrate shapes and polystyrene sheets)
Cadco—See Cadillac Plastic & Chemical Co
Cadillac Plastic & Chemical Co 15111 Second Ave Detroit 3 Mich "Cadco" (Cast acrylic rods and tubes; cast styrene sheets; extruded acrylic styrene; polyethylene; butyrate sheeting, tubing and rods)
Campco a Div of Chicago Molded Products Corp 2727 N Normandy Ave Chicago 35 Ill "Campco" & "Registrite" (Rubber modified styrene sheet; "Campcolite" tripolymer styrene sheet; "Campco" cellulose acetate butyrate sheet and film, polyethylene sheet and film)
Celanese Corp of America Plastic Bldg 290 Ferry St Newark 5 N J (Acetate sheeting and film)
Chemstrand Corp 350 5th Ave N Y 1 N Y (Nylon yarn for tire cord seat belts tarpaulins and air springs)
Continental Diamond Fibre Corp Newark 2 Del "Dilecto"
Crane Packing Co 6435 Oakton St Morton Grove Ill "John Crane" (Rod and tubes)
Dilecto—See Continental - Diamond Fibre Corp
Dow Chemicol Co Midland Mich "Polyfilm" "Trycite" (Film)
du Pont de Nemours & Co E I Film Dept Wilmington 98 Del "Mylar" (Polyester film)
du Pont de Nemours & Co E I Polychemicals Dept Plastic Sales Div Wilmington 98 Del "Tynex" (Nylon monofilaments; "Zytel" nylon resin)
du Pont de Nemours & Co E I Textile Fibers Dept Wilmington 98 Del "Orlon"
Electric Auto-Lite Co Bay Mfg Div Bay City Mich
Enrup—See United States Rubber Co
Felsenthal & Sons Inc 3500 N Kedzie Ave Chicago 18 Ill (Custom fabricators of thermoplastic acrylic vinyls acetate polyethylene sheets etc)
Firestone Plastics Co P O Box 690 Pottstown Pa "Velon" (Filament and yarn)
Flexrock Co Packing Div 36th & Filbert Sts Philadelphia 4 Pa (Sheets rods and tubes)
Fluoroflex—See Resistoflex Corp
Formica Corp 4614 Spring Grove Ave Cincinnati 32 Ohio
Franklin Fibre-Lamitex Corp 18th St B of Market St Wilmington Del "Lamitex" (Laminated)
Garlock Packing Co 402 Main St Palmyra N Y
General Electric Co Chemical & Metallurgical Div Laminated Products Dept Coshocton Ohio "Textolite" (Laminated phenolic sheets rods and tubes)
Grote Mfg Co Lafayette & Grandview Aves Bellevue Ky
Inland Mfg Div-General Motors Corp 2727 Inland Ave Dayton Ohio
Insurok—See Richardson Co
John Crane—See Crane Packing Co
Lamicoid—See Mica Insulator Div
Lamitex—See Franklin Fibre-Lamitex Corp.
Marvibond—See Naugatuck Chemical Div
Metal Specialty Co Este Ave & B&O RR Cincinnati 32 Ohio (Sheets)
Mica Insulator Div of Minnesota Mining & Mfg Co 801 Broadway Schenectady N Y "Lamicoid" (Laminated phenolic melamine silicone and epoxy)
Midlon—See Midwest Plastic Products Co
Midwest Plastic Products Co 1801 Chicago Rd Chicago Heights Ill "Midlon" (Cellulose acetate cellulose acetate butyrate styrene and polyethylene sheeting)
Minnesota Mining & Mfg Co 900 Bush Ave St Paul 6 Minn "Scotchply" (Reinforced sheets)
Monsanto Chemical Co Plastics Div Springfield 2 Mass ("Ultron" polyvinyl chloride film and sheeting "Saflex" vinyl butyral film)
Mylar—See E I du Pont de Nemours & Co Film Dept
National Plastic Products Co Odenton Md "Saran" (Filament for automobile seat covers and upholstery)
National Vulcanized Fibre Co Maryland Ave & Beech St Wilmington 99 Del "Phenolite" (Laminated phenolic; "National" nylon rod)
Naugatuck Chemical Div of U S Rubber Co 523 Elm St Naugatuck Conn "Marvibond" (Metal clad resin laminated sheets)
Nixon Nitration Works Nixon N J (Rigid vinyl cellulose acetate cellulose nitrate cellulose acetate butyrate rigid polyethylene and polypropylene sheets; cellulose acetate and cellulose acetate butyrate rods)
Ohmoid—See Wilmington Fibre Specialty Co.
Orlon—See E I du Pont de Nemours & Co
O'Sullivan Rubber Corp Valley Pike Winchester Va "Sullvac" (Thermoplastic sheeting; "Sullvyne" sun visor plastic sheeting; "Sullvyne-Clad" vinyl plastic laminated to steel, aluminum or magnesium)
Panelyte Div St Regis Paper Co 150 E 42nd St N Y 17 N Y (Laminated phenolic)
Penn Fibre & Specialty Co 2024 E Westmoreland St Philadelphia 34 Pa
Phenolite—See National Vulcanized Fibre Co.
Plastics Div Visking Co 6733 W 65th St Chicago 38 Ill "Visqueen" (Polyethylene tubing and sheeting)
Polymer Corp 2120 Fairmont Ave Reading Pa "Polypenco" (Nylon and teflon)
Polyfilm—See Dow Chemical Co
R/N—See Raybestos-Manhattan Inc
Raybestos-Manhattan Inc Plastic Products Div Manheim Pa "R/N" (Teflon)
Registrite—See Campco a Div of Chicago Molded Products Corp
Resistoflex Corp Woodland Ave Roseland N J "Fluoroflex-T" & "Fluoroflex-C"
Richardson Co 2667 Lake St Melrose Park Ill "Insurok" (Laminated sheets rods and tubes)
Ryerson & Son Inc Joseph T 16th & Rockwell Sts Chicago Ill "Ryertex" (Laminated and polyvinyl chloride)
Ryertex—See Joseph T Ryerson & Son Inc
Saflex—See Monsanto Chemical Co
Saran—See National Plastic Products Co
Scotchply—See Minnesota Mining & Mfg Co
Selberling Rubber Co Plastics Div Newcomerstown Ohio "Sellon" (Rigid thermoplastic sheets)
Sellon—See Selberling Rubber Co Plastics Div
Spaulding Fibre Co., 310 Wheeler St., Tonawanda, N. Y. "Spauldite."
Spauldite—See Spaulding Fibre Co
Sullvac—See O'Sullivan Rubber Corp
Sullvyne—See O'Sullivan Rubber Corp
Sullvyne-Clad—See O'Sullivan Rubber Corp
Synthane Corp., Oaks, Pa (Laminated phenolic.)
TSI—See Tri-Point Plastics Inc
Taylor Fibre Co Norristown 49 Pa (Laminated phenolic)
Textolite—See General Electric Co
Tri-Point Plastics Inc 175 I U Willetts Rd Albertson L I N Y "TSI" (Teflon)
Trycite—See Dow Chemical Co
Tynex—See E I du Pont de Nemours & Co
Ultron—See Monsanto Chemical Co
U S Royalite—See United States Rubber Co
United States Rubber Co Rockefeller Center 1230 Ave of the Americas New York 20 N Y "Enrup" & "U S Royalite"
Velon—See Firestone Plastics Co
Visqueen—See Plastic Div Visking Co
Vogt Mfg Corp 100 Fernwood Ave Rochester 21 N Y
Westinghouse Electric Corp Micarta Div Hampton S C (Laminated phenolic)
Wilmington Fibre Specialty Co New Castle Del "Ohmoid"
Yardley Molded Plastics Inc 142 Parsons Ave Columbus 21 Ohio (Tubes)
Zytel—See E I du Pont de Nemours & Co Polychemicals Dept

Sheets, Transparent

Dura-Lite—See Homalite Corp
Ero Mfg. Co., 714 W. Monroe St., Chicago, Ill.
Homalite Corp 11 Brookside Dr Wilmington 4 Del "Dura-Lite" "Homalite"
Lucolite—See Lushan Co
Lushan Co 144 Moody St Waltham 54 Mass "Lucolite" "Regalite"
Plexiglas—See Röhm & Haas Co.
Regalite—See Lushan Co
Röhm & Haas Co., 222 W. Washington Sq., Philadelphia 5 Pa "Plexiglas" (Cast acrylic)

PLASTIC FILLERS for Body Panels Fenders Etc—See Fillers, Plastic and Metallic (For Body Panels Fenders Etc)

PLASTIC MOLDING MACHINERY — See Presses, Plastic Molding

PLASTIC SEAT COVER AND UPHOLSTERY MATERIAL—See Fabric, Plastic (For Tops Upholstery and Seat Covers)

PLASTIC TESTING MACHINES—See Machines Testing (Plastic)

PLATES, CLUTCH—See Discs Clutch

PLATES, Clutch Pressure

Accurate Re-Nu Clutch Div of MarPro Inc 168 N Michigan Ave Chicago 1 Ill
Eaton Mfg Co Marion Forge Div Route 95 W Marion Ohio
Perfection Gear Co 152nd St & Vincennes Ave Harvey Ill

PLATES, Floor (Truck and Bus)

A W—See Alan Wood Steel Co
Alan Wood Steel Co Conshohocken Pa "A W"
Alumalun—See American Abrasive Metals Co
American Abrasive Metals Co 460 Colt St Irvington 11 N J "Alumalun" "Feralun"
Eastern Stainless Steel Corp P O Box 1975 Baltimore 3 Md "Super Diamond" (Stainless steel)
Feralun—See American Abrasive Metals Co
Great Lakes Steel Corp Stran-Steel Div Ecorse Detroit 29 Mich "Stran-Steel" (Steel)
Inland Steel Co 30 W Monroe St Chicago 3 Ill "Inland 4-Way" (Steel)
Jones & Laughlin Steel Corp 3 Gateway Center Pittsburgh 30 Pa (Steel)
Reynolds Metals Co 6601 Broad St Richmond 19 Va
Stran-Steel—See Great Lakes Steel Corp Stran-Steel Div
Super Diamond—See Eastern Stainless Steel Corp

PLATES, Name (Metal, Plastic, Etc.)

Acme Metal Etching Co., 4857 St. Aubin Ave., Detroit 7, Mich. (Etched and lithographed metal.)
Acroetch—See Acromark Co.
Acrofibe—See Acromark Co
Acroloy—See Acromark Co.
Acromark Co., 9 Morrell St., Elizabeth 4, N. J. "Acroetch" (Etched metal; "Acroloy" cast metal; "Acroplac" plastic; "Acrofibe" fibre)
Acroplac—See Acromark Co.
Adams Co S G 920 Olive St St Louis 1 Mo (Metal)
American Name Plate & Mfg Co 4254 W Arthington St Chicago 24 Ill "Anco"
Anco—See American Name Plate & Mfg Co
Benmatt Organization Inc 3447 E 15th St Los Angeles 23 Calif
Croname Inc 6217 Howard St Chicago 48 Ill
Douglas Co 620 12th Ave Minneapolis 4 Minn (Reflective sheeting)
Electric Auto-Lite Co Toledo 1 Ohio
Electro Chemical Engraving Co 1100 Brook Ave N Y 56 N Y (Metal)
Etched Products Corp 39-01 Queens Blvd Long Island City 4 N Y (Aluminum)
Foilcals—See Miller Dial & Name Plate Co
Fotofoil—See Miller Dial & Name Plate Co
Fox Co 3400 Beekman St Cincinnati 23 Ohio "Pridemarks" (Metal)
Gits Molding Corp 4600 W Huron St Chicago 44 Ill (Plastic)
Hanson Co., C. H., 303 W. Erie St., Chicago Ill. (Metal.)
LaFrance Precision Casting Co., 29th & McKean Sts., Philadelphia, Pa. (Chrome.)
Los Angeles Stamp & Stationery Co., 1500 S. Los Angeles St., Los Angeles 15, Cal. "Mar King."

Mar-King—See Los Angeles Stamp & Stationery Co.
Matthews & Co., Jas. H., 3942 Forbes St., Pittsburgh 13, Pa.
Metal Decorating & Mfg. Co., 2021 W. Fulton St., Chicago 12, Ill.
Miller Dial & Name Plate Co 4400 N Temple City Blvd El Monte Calif "Fotofoil" "Foilcals"
Norgren-Stemac Div of C N Norgren Co 5400 S Delaware St Littleton Colo "Stemac" (Metal)
Northern Engraving & Mfg Co Fourth & Vine Sts La Crosse Wis (Etched, lithographed and embossed metal)
Pridemarks—See Fox Co.
R-Ad—See Ross-Adseal Inc
Robbins Co Brooke & Maple Sts Attleboro Mass
Ross-Adseal Inc 738 Lord St Indianapolis 2 Ind "R-Ad" (Metal; sole distributors, Ryan Sales Engrg Co 7545 Lyndon Ave Detroit 38 Mich)
Standard Products Co 2130 W 110th St Cleveland 2 Ohio
Stemac—See Norgren-Stemac Div
Superior Steel Stamp Co., 113 E. St. Clair Ave., Cleveland 14, Ohio. (Engraved plastic.)
Ward's Name Plates 8504 Lyndon Ave Detroit 38 Mich
Willson Camera Co 1401 Lawrence Rd Havertown Pa (Plastic)
Yardley Molded Plastics Inc 142 Parsons Ave Columbus 21 Ohio (Plastic)

PLATES, Step

Croname Inc 6217 Howard St Chicago 48 Ill (Scuff)
Duffy Mfg Co Holland Mich
Hamlin Metal Products Co 2741 Wingate Ave Akron 19 Ohio
Moore & Co., Samuel, Mantua, Ohio. "Rub-Bub."
Ohio Rubber Co 300 Ben Hur Ave Willoughby Ohio "Orco" (Rubber)
Orco—See Ohio Rubber Co
Rub-Bub—See Samuel Moore & Co
Standard Products Co 2130 W 110th St Cleveland 2 Ohio (Scuff)

PLATES, Surface and Base

Ex-Cell-O Corp 1200 Oakman Blvd Detroit 32 Mich (Surface)
Lake Shore Inc Iron Mountain Mich "Lakenite" (Gray iron)

PLATES, Wearing

Ohio Knife Co Dreman Ave & B&O RR Cincinnati 23 Ohio "OK"

PLATFORMS, Lift Truck

Barrett-Cravens Co 630 Dundee Rd Northbrook Ill
Colson Corp., Elyria, Ohio.
Elwell-Parker Electric Co 4205 St Clair Ave Cleveland 3 Ohio
Excelsior Plimptruck Co., 796 Atlantic St., Stamford Conn "Excelsior" "Hercules"
Factory Service Co., 4615 N. 21st St., Milwaukee 9, Wis. "Turner System."
Globe Hoist Co E Mermaid Lane & Queen St Philadelphia 18 Pa
Hercules—See Excelsior Plimptruck Co
Hitco—See Howell Industrial Truck Co
Howell Industrial Truck Co 1083 Erie Cliff St Cleveland 7 Ohio "Hitco"
Hyster Co 2902 N E Clackamas St Portland 8 Ore
Lanco—See Lansing Co
Lansing Co 603 N Cedar St Lansing 3 Mich "Lanco"
Lewis-Shepard Products Inc 1050 Walnut St Watertown Mass "Weld-Master"
Nesteel—See Powell Pressed Steel Co
Orangeville Mfg Co Orangeville Pa
Powell Pressed Steel Co Erie St Hubbard Ohio "Nesteel"
Raymond Corp 151 Madison St Greene N Y
Republic Steel Corp Pressed Steel Div 6100 Truscon Ave Cleveland 27 Ohio
Turner System—See Factory Service Co.
Weld-Bilt—See West Bend Equipment Corp.
WeldMaster—See Lewis-Shepard Products, Inc.
West Bend Equipment Corp., 216 S. Water St., West Bend, Wis. "Weld-Bilt."

PLATING, Cadmium-Nickel

Attwood Brass Works Inc 303 Douglas St NW Grand Rapids Mich

PLATING, Chromium

Attwood Brass Works Inc 303 Douglas St NW Grand Rapids Mich

PLATING COMPOUNDS — See Compounds Plating

PLOWS, Snow

(For attaching to trucks)

Aristocrat—See Truck Engrg Co
Arps Corp 1920 Harrison St New Holstein Wis
Baker Flink—See Flink Co
Bros Inc 1057 10th Ave S E Minneapolis 14 Minn "Sno-Flyr"
Burch Corp Thoman St Crestline Ohio "Ross"
Eshelman Co Cheston L 109 Light St Baltimore 2 Md
Flink Co 502 N Vermillion St Streator Ill "Baker Flink"
Frink Sno-Plows Inc Clayton N Y (Eastern United States)
Gledhill Road Mchy Co S State Rd Galion Ohio
Good Roads Machinery Corp., Minerva, Ohio.
Gravely Tractors Inc Dunbar W Va
Hitco—See Howell Industrial Truck Co
Howell Industrial Truck Co 1083 Erie Cliff St Cleveland 7 Ohio "Hitco"
Meyer Products Inc 3599 E 82nd St Cleveland 5 Ohio
Ross—See Burch Corp
Scheneker Iron Works Inc 350 Sycamore St Buffalo 4 N Y
Scranton Truck Body & Equipment Co 2341 Scranton Rd Cleveland 13 Ohio "Scranton Snodozer"
Sno-Flyr—See Bros Inc
Truck Engrg Co 3200 E Pontiac St Fort Wayne 4 Ind "Aristocrat"
Western Snowplow Div Douglas Motors Corp 1234 N 62nd St Milwaukee 13 Wis

PLUGS, Core Hole and Expansion

Andrew Parts Mfg Co 32-70 31st St Long Island City 6 N Y (Expansion)
Brewer-Titchener Corp., 115 Pt. Watson St. Cortland, N. Y. (Expansion.)
Diamond G—See Geo K Garrett Co
Garrett Co George K Torresdale Ave at Tolbut St Philadelphia 36 Pa "Diamond G"
Hubbard Spring Mfg. Co., M. D., 646 Central Ave., Pontiac, Mich. "Welch." (Core hole.)
Kickhaefer Mfg Co 903 S Second St Milwaukee 4 Wis
Lamson & Sessions Co 5000 Tiedeman Rd Cleveland 9 Ohio (Expansion)
Lightnin—See R. J. Loock & Co.
Loock & Co., R. J., 343 N. Gay St., Baltimore, Md. "Lightnin."
Master Products Co 6400 Park Ave S E Cleveland 5 Ohio
Perfect Parts Inc 43 W 23rd St New York N Y 10 (Expansion)
Preferred Electric & Wire Co., Bush Terminal Bldg. No. 8, Brooklyn 32, N. Y.
Press Work Inc Lead Alloy Products Div 9100 Roselawn Ave Detroit 4 Mich (Expansion)
Raymond Mfg Div Associated Spring Corp 226 S Center St Corry Pa (Expansion)
Superior Metal Products Co 3180 Auburn Rd Auburn Heights Mich (Expansion)
Welch—See M. D. Hubbard Spring Mfg. Co.
Wrought Washer Mfg Co 2107 S Bay St Milwaukee 7 Wis (Expansion)

PLUGS, Crankcase Drain

Champ-Items, Inc., 6191 Maple Ave., St. Louis, Mo. (Oversize.)
Highland Mfg Co 3215 Superior Ave Cleveland 14 Ohio
Hill Nut Co 2620 W Flournoy St Chicago 12 Ill
Magnetic Drain Plug Co 1000 N Main St Wellington Ohio (Also threaded Dryseal)
Perfect Parts Inc 43 W 23rd St N Y 10 N Y
Taylor & Boggis Fdry 1261 Babbitt Rd Cleveland Ohio
Tourek Mfg Co J J 1901 S Kilbourn Ave Chicago 23 Ill
U S Plug & Fitting Co 1000 N Main St Wellington Ohio (Also threaded dryseal)
Universal Lubricating Systems, Inc., 747 Allegheny Ave., Oakmont, Pa. (Oversize.)

PLUGS, Drain (Magnetic)

Lisle Corp., 809 E. Main St., Clarinda, Iowa.
Pipe Plugs Inc Wallington Ohio
Taylor & Boggis Fdry 1261 Babbitt Rd Cleveland Ohio

PLUGS, EXPANSION—See Plugs, Core Hole and Expansion

PLUGS, LAMP—See Connectors, Lamp (Electric)

PLUGS, Pipe

Allen Mfg Co Drawer 570 Hartford 1 Conn "Tru-Round"
Caplugs—See Protective Closures Co
Cleveland Cap Screw Co 4444 Lee Rd Cleveland 28 Ohio
Elco Tool & Screw Corp 1111 Samuelson Rd Rockford Ill
Lamson & Sessions Co 5000 Tiedeman Rd Cleveland 9 Ohio
National Screw & Mfg Co 2440 E 75th St Cleveland 4 Ohio
Protective Closures Co 2207 Elmwood Ave Buffalo 23 N Y "Caplugs"
Set Screw & Mfg Co 16 Main St Bartlett Ill
Tourek Mfg Co J J 1901 S Kilbourn Ave Chicago 23 Ill
Tru-Round—See Allen Mfg Co
U S Plug & Fitting Co 1000 N Main St Wellington Conn (Threaded dryseal; cast iron, brass steel breather vent and vent)

PLUGS, Spark

AC Spark Plug The Electronics Div of General Motors 1300 N Dort Highway Flint 2 Mich
Acme—See Motor Master Products Corp
Aldor—See A. L. Doering Mfg. Co.
Almquist Engrg Co Milford Pa "Spark-O-Matic"
Auburn Spark Plug Co., York St., Auburn, N. Y.
Auto-Lite—See Electric Auto-Lite Co
B G Corp 321 Broad Ave Ridgefield N J
Blue Crown—See Motor Master Products Corp
Bowers Battery & Spark Plug Co., Reading, Pa.
Champion Spark Plug Co 900 Upton Ave Toledo 1 Ohio
Continental Mfg Corp 10411 W Washington Blvd Culver City Calif "Life-Time"
Defiance Spark Plug Co 323 20th St Toledo Ohio
Doering Mfg Corp A L Station Plaza Bayside L I N Y "Aldor" "Doering"
Electric Auto-Lite Co Toledo 1 Ohio "Autolite"
Engine Accessories Mfg Co 5801 E Beverly Blvd Los Angeles 22 Calif "Triple-Fire"
Flint—See F A Luthy Co
Gilpak Automotive Products Div Packer Auto Parts Inc Roselle N J
Gold Bond—See Trojan Products Co
Gold Medal—See Trojan Products Co
Hastings Mfg Co N Hanover St Hastings Mich.
Karlife—See Trojan Products Co.
Leonard Spark Plug Co 148 Summit St Newark 3 N J
Life-Time—See Continental Mfg Corp
Luthy Co., F. A., 302 Cooper St., Jackson, Mich. "Flint." "Luthy"
Mallory Electric Corp 12416 Cloverdale Ave Detroit 4 Mich
Motor Master Products Corp P O Box 278 Defiance Ohio "Acme" "Blue Crown" "Motor Master"
Multi-Fire—See Trojan Products Co
National—See Trojan Products Co
Spark-O-Matic—See Almquist Engrg Co
Super-Trojan—See Trojan Products Co
Triple-Fire—See Engine Accessories Mfg Co
Trojan Products Co 109 N Union St Galion Ohio "Gold Bond" "Trojan" "Gold Medal" "United" "National" "Karlife" "Super-Trojan" "Multi-Fire"
Tungsten Spark Plug Mfg Tungsten Bldg 1716 S Michigan Ave Chicago 16 Ill
United—See Trojan Products Co.

PLUGS, TESTING (Adjustable)

Moeller Mfg Co Industrial Div 2401 Durand Ave Racine Wis

PLYWOOD—See Panels, Plywood

POINTS, Contact (Ignition)

APW—See American Platinum Works.
American Motor Products Co., Fond du Lac, Wis. "Ampco."
American Platinum Works, N.J.R.R. Ave. at Oliver St., Newark 5, N. J. "APW."
Ampco—See American Motor Products Co.
Andrew Parts Mfg Co 32-70 31st St Long Island City 6 N Y
Auto-Lite—See Electric Auto-Lite Co
Blue Streak—See Standard Motor Products, Inc.

POINTS, Contact (Ignition)—continued

D-54—**See P R Mallory & Co**
Delco-Remy Div General Motors Corp 2401 Columbus Ave Anderson Ind
Echlin Mfg Co U S Route 1 Branford Conn
Electric Auto-Lite Co Toledo 1 Ohio "Auto-Lite"
Elkonium—See P R Mallory & Co
F & H Mfg Co 4248 W Chicago Ave Chicago 51 Ill "Fiiko"
Fansteel Metallurgical Corp 2200 Sheridan Rd North Chicago Ill
Fiiko—See F. & H. Mfg. Co.
Freedco Products Inc 36-08 33rd St Long Island City 6 N Y
GP—**See Guaranteed Parts Co**
Gilpak Automotive Products Div Packer Auto Parts Inc Roselle N J
Guaranteed Parts Co Seneca Falls N Y "GP"
Holley Corburetor Co 11955 E Nine Mile Rd Warren Mich
K-W—**See Stan-Test Corp.**
Kem Mfg. Co., 20-21 Wagaraw Rd., Fair Lawn, N. J.
M D Parts Mfg Co 5247 Coffman-Pico Rd Pico Calif
Machined Parts Corp., 6209 Hamilton Ave., Detroit 2, Mich. "Mapco."
Mallory & Co P R 76 S Gray St Indianapolis 6 Ind "Elkonium" & "D-54"
Mallory Electric Corp 12416 Cloverdale Ave Detroit 4 Mich
Mapco—See Machined Parts Corp.
National—See Wheel Parts & Mfg Co
National Ignition Mfg Co 521 W 23rd St New York N Y "Nimco"
Nichoff & Co., C. E., 4925 W. Lawrence Ave., Chicago 30, Ill.
Nimco—**See National Ignition Mfg. Co.**
Paragon Products Corp 140 Astor St Newark 5 N J "Vulcan" **(Sole distributors Vulcan Motor Products Inc 1060 Broad** St Newark 2 N J)
Preferred Electric & Wire Co., Bush Terminal Bldg. No. 8, Brooklyn 32, N. Y.
Shurhit Products Inc 845 S Market St Waukegan Ill
Sorensen Mfg Co P 32-31 57th St Woodside 77 N Y
Speer Carbon Co., St. Marys, Pa.
Springfield Electrical Specialties, Inc., 120 **Wooster St., New York 12, N. Y. "Super-point."**
Standard Motor Products Inc 37-18 Northern Blvd Long Island City L I N Y "Blue Streak"
Stan-Test Corp., 4630 W. Harrison St., Chicago 44, Ill. "K-W."
Super Go—**See Wells Mfg. Corp.**
Superpoint—**See Springfield Electrical Specialties, Inc.**
Tasco Products Div of Guaranteed Parts Co Seneca Falls N Y
Tungsten Contact Mfg. Co., 7311 Cottage Ave., North Bergen, N. J.
Valley Forge Products Inc 370 19th St Brooklyn 15 N Y
Vulcan—**See Paragon Products Corp.**
Wells Mfg Corp 12 S Brooke St Fond du Lac Wis "Super Go" "Wells"
Wheel Parts & Mfg Co 352 Fourth Ave N Y 10 N Y "National"
Wilco—**See H. A. Wilson Co.**
Wilson Co H A 2655 U S Route 22 Union N J "Wilco"

POLISHING COMPOUNDS—See Compounds, Buffing and Polishing (Metal)

POLISHING FELT—See Felt, Polishing and Rubbing

POLISHING MACHINES—See Machines, Buffing and Polishing; also Machines, Grinding and Polishing

POLISHING and BUFFING WHEELS—See Wheels, Buffing and Polishing

PORCELAIN, SPARK PLUG—See Insulators, Spark Plug

PORTABLE TOOL BALANCERS—See Balancers, Portable Tool

POSITIONERS, Welding

Aronson Machine Co., Arcade N Y
Berkeley-Davis Inc 1021 Bohls St Danville Ill
C F—**See Cullen-Friestedt Co**
Cullen-Friestedt Co 1300 S Kilbourn Ave Chicago 23 Ill "C F"
Federal Machine & Welder Co 1745 Overland Ave Warren Ohio
Grayson Tool Co 1412 W Second St Hastings Neb
Harnischfeger Corp 4400 W National Ave Milwaukee 14 Wis "P & H"
Morton Mfg Co Broadway & Hoyt St Muskegon Heights, Mich
P & H—Harnischfeger Corp
Rexarc—**See Sight Feed Generator Co**
Sciaky Bros Inc 4915 W 67th St Chicago 38 Ill
Sight Feed Generator Co West Alexandria Ohio "Rexarc"
Werthington Corp Harrison N J (Motor operated)

POTS, ANNEALING AND CASE-HARDENING—See Boxes and Pots, Annealing and Case-Hardening

POTS, SOLDER MELTING—See Furnaces, Soldering

POWDERED METALS—See Metals, Powdered

POWDERED METAL MACHINES — See Presses, Powdered Metal

POWDERED METAL SINTERING FURNACES—See Furnaces, Sintering (Powdered Metal)

POWER DIVIDERS, REAR AXLE — See Dividers, Power (Rear Axle)

POWER TAKE-OFFS—See Take-Offs, Power

POWER UNITS, Diesel

Allis-Chalmers Mfg Co Engine Material Handling Div 1135 S 70th St Milwaukee 1 Wis
Ford Div Ford Motor Co Industrial Engine Dept P O Box 598 Dearborn Mich
Minneapolis-Moline Co Hopkins Minn
Oliver Corp 400 W Madison St Chicago 6 Ill
Ready-Power Co 3826 Grand River Ave Detroit 8 Mich (Diesel-electric and LP-G-electric for electric industrial trucks)
Sheppard Co R H 101 Philadelphia St Hanover Pa
Waukesha Motor Co W St Paul Ave Waukesha Wis
Witte Engine Works Oil Well Supply Div U S Steel Corp 1600 Oakland St Kansas City 26 Mo

POWER UNITS, Gasoline

(Portable and stationary gasoline engine units)

Allis-Chalmers Mfg Co Engine Material Handling Div 1135 S 70th St Milwaukee 1 Wis
Brennan Motor Mfg. Co., 500 E. Water St., Syracuse, N. Y.
Chrysler Corp Marine & Industrial Engine Div Detroit 31 Mich (Also LP-Gas)
Continental Motors Corp Muskegon 82 Mich "Red Seal"
Dynassist Wolf Pack—See Wolf Engrg Div of Rich Plan Corp
Ford Div Ford Motor Co Industrial Engine Dept Box 598 Dearborn Mich
Hercules Motors Corp., 101 11th St., S. E., Canton 2, Ohio.
International Harvester Co Harvester Bldg., 180 N. Michigan Ave., Chicago 1, Ill.
Minneapolis-Moline Co Hopkins Minn (Also LP-Gas)
Oliver Corp 400 W Madison St Chicago 6 Ill
Ready-Power Co 3826 Grand River Ave Detroit 8 Mich (Gasoline-electric and LP-G-electric for electric industrial trucks)
Red Seal—See Continental Motors Corp
Waukesha Motor Co W St Paul Ave Waukesha Wis
Witte Engine Works Oil Well Supply Div U S Steel Corp 1600 Oakland St Kansas City 26 Mo
Wolf Engrg Corp 1201 Main St Dallas Tex "Dynassist Wolf Pack" (Trailer propulsion)
Young Engine Corp., P. O. Box 532, Canton Ohio.

POWER UNITS, Hydraulic (Auto)

(For automatically operating doors, windows, rear lights, rear deck lids, driver's seats, motor hoods and folding tops)

Detroit Harvester Co Dura Div 4500 Detroit Ave Toledo 12 Ohio (For convertible tops)

POWER UNITS, Hydraulic (Industrial)

Barnes Corp John S 301 S Water St Rockford Ill
Baush Machine Tool Co 156 Wason Ave Springfield 7 Mass
Hannifin Co 543 S Wolf Rd Des Plaines Ill
Le Maire Machine Tool Co 2657 S Telegraph Rd Dearborn Mich
Logansport Machine Co 860 Center Ave Logansport Ind
Rivett Inc Dept A1-5 Brighton 35 Boston Mass
Vickers Inc Machinery Hydraulics Div **Administrative & Engrg Center Detroit 32** Mich

POWER UNITS, Mechanical (Industrial)

Baush Machine Tool Co 156 Wason **Ave** Springfield 7 Mass (Leadscrew type)

PREAMPLIFIERS

Sanborn Co 175 Wyman St Waltham 54 Mass

PRECISION GAGES—See Blocks, Gage

PRE-HEATERS, ENGINE—See Heaters, Engine Pre-Heating

PRESS BRAKES—See Brakes, Press

PRESSED STEEL PARTS — See Stampings, Metal

PRESSES, Arbor

Acromark Co 9 Morrell St Elizabeth 4 N J "Hercules"
Bee-Line Co Box 569 Davenport Iowa
Bellows Co 222 W Market St Akron 3 Ohio (Pneumatic)
Bender Equipment Co J H 5430 Tweedy Blvd South Gate Calif
Champion Blower & Forge Co Harrisburg Ave & Charlotte St Lancaster Pa
Dake Corp 724 Robbins Rd Grand Haven Mich
Famco Machine Co 3100 Sheridan Rd Kenosha Wis
Flexible Power—See General Mfg Co
French Oil Mill Machinery Co Piqua Ohio
General Mfg Co 6432 Farnsworth Ave Detroit 11 Mich "Flexible Power"
Greenerd Arbor Press Co 41 Crown St Nashua N H (Hand and hydraulic)
Hannifin Co 543 S Wolf St Des Plaines Ill (Pneumatic)
Hercules—See Acromark Co
Houdaille Industries Inc Manzel Div 318 Babcock St Buffalo 10 N Y "Pulsolator"
KRW—See K R Wilson Inc
Lempco Products Inc 5490 Dunham Rd Bedford Ohio (Electric and hydraulic)
Logan—See Logansport Machine Co Inc
Logansport Machine Co 860 Center Ave Logansport Ind "Logan" (Pneumatic and hydraulic)
Mead Specialties Co 4114 N Knox Ave Chicago 41 Ill (Pneumatic)
Nugier Co F A 1748 Berkeley St Santa Monica Calif (Hand and hydraulic)
Owatonna Tool Co 342 N Cedar St Owatonna Minn
Pulsolator—See Houdaille Industries Inc Manzel Div
Rotex Punch Co 2350 Alvardo St San Leandro Calif
Threadwell Tap & Die Co., Greenfield, Mass
Tripp, F. A., 409 E. Fort St., Detroit 26, Mich.
Wilson Inc K R Arcade N Y "KRW"

PRESSES, Bending

Baldwin-Lima-Hamilton Corp Philadelphia National Bank Bldg Philadelphia 7 Pa "Hamilton"
Bath Co Cyril 32400 Aurora Rd Solon Ohio
Bend-Ex—See Paul Machine Tool & Die Works
Birdsboro Steel Foundry & Machine Co Birdsboro Pa
Cleveland Punch & Shear Works Co 3917 St Clair Ave Cleveland Ohio
Dake Corp 724 Robbins Rd Grand Haven Mich
Decherts Machine Shop Inc 713 W Main St Palmyra Pa "Zeh & Hahnemann"
Di-Acro—See O'Neil-Irwin Mfg. Co.
Elmes Engineering Div American Steel Foundries 1163 Tennessee Ave Cincinnati 29 Ohio (Hydraulic)
Excelsior Tool & Machine Co 21st St & Ridge Ave East St Louis Ill
Farquhar—**See Oliver Corp A B Farquhar Div**
Federal Machine & Welder Co 1745 Overland Ave Warren Ohio "Warco"
Flexible Power—See General Mfg Co
French Oil Mill Machinery Co Piqua Ohio
General Mfg Co 6432 Farnsworth Ave Detroit 11 Mich "Flexible Power"
H-P-M—See Hydraulic Press Mfg Co
Hamilton — See Baldwin-Lima-Hamilton Corp
Heavy Machine Div Cleveland Crane & Engineering Co 5867 E 289 St Wickliffe Ohio "Steelweld"
Hydraulic Press Mfg Co Mount Gilead Ohio "H-P-M"

Kling Bros Engrg Works 1320 N Kostner Ave Chicago 51 Ill
Lake Erie Machinery Corp 890 Woodward Ave Buffalo 17 N Y (Hydraulic)
Leonard Precision Products Co 9200 Bolsa Ave Santa Ana Calif "Leonard Bandmaster"
Mesta Machine Co Box 1466 Pittsburgh 30 Pa
Oliver Corp A B Farquhar Div 142 N Duke St York Pa "Farquhar" (Hydraulic)
O'Neil-Irwin Mfg Co 514 Eighth Ave Lake City Minn "Di-Acro"
Paul Machine Tool & Die Works 4600 S Kedzie Ave Chicago 32 Ill "Bend-Ex" (Compressed air)
Plues Engrg Co 661 Walnut St Aurora Ill **(Hydraulic)**
Steelweld—See Heavy Machine Div Cleveland Crane & Engineering Co
Verson Allsteel Press Co 93rd St & Kenwood Ave Chicago 19 Ill
Warco—See Federal Machine & Welder Co
Williams White & Co 100 Eighth St Moline Ill
Zeh & Hahnemann—See Decherts Machine Shop Inc

PRESSES, BROACHING—**See Machines, Broaching; also Presses, Forcing; also Presses, Forging; also Presses, Hydraulic**

PRESSES, Deep Drawing

Baldwin-Lima-Hamilton Corp Philadelphia National Bank Bldg Philadelphia 7 Pa "Hamilton"
Birdsboro Steel Foundry & Machine Co Birdsboro, Pa
Bliss Co E W 1375 Raff Rd S W Canton Ohio
Cleveland Punch & Shear Works Co 3917 St Clair Ave Cleveland Ohio
Federal Machine & Welder Co 1745 Overland Ave Warren Ohio
Ferracute Machine Co 429 E Commerce St Bridgeton N J
French Oil Machinery Co Piqua Ohio
H-P-M—See Hydraulic Press Mfg Co
Hamilton—See Baldwin-Lima-Hamilton Corp
Heavy Machine Div Cleveland Crane & Engrg Co 5867 E 289th St Wickliffe Ohio
Hydraulic Press Mfg Co Mount Gilead Ohio "H-P-M"
Niagara Machine & Tool Works, 683 Northland Ave Buffalo 11 N Y
Verson Allsteel Press Co., 93rd St & Kenwood Ave Chicago Ill
Watson-Stillman Press Div Farrel-Birmingham Co 565 Blossom Rd Rochester 10 N Y
Williams White & Co 100 Eighth St Moline Ill

PRESSES, DRILL—See Machines, Drilling

PRESSES, Embossing

Birdsboro Steel Foundry & Machine Co Birdsboro Pa (Hydraulic)
Bliss Co E W 1375 Raff Rd S W Canton Ohio
Cleveland Punch & Shear Works Co 3917 St Clair Ave Cleveland Ohio
Dake Corp 724 Robbins Rd Grand Haven Mich
Decherts Machine Shop Inc 713 W Main St Palmyra Pa "Zeh & Hahnemann"
Federal Machine & Welder Co 1745 Overland Ave Warren Ohio
Ferracute Machine Co., 429 E. Commerce St., Bridgeton, N. J.
French Oil Machinery Co., Piqua, Ohio.
H-P-M—See Hydraulic Press Mfg. Co.
Hydraulic Press Mfg. Co., Mount Gilead, Ohio. "H-P-M."
Lake Erie Machinery Corp 890 Woodward Ave Buffalo 17 N Y
Minster Machine Co 240 W 5th St Minster Ohio
Verson Allsteel Press Co., 93rd St. & Kenwood Ave., Chicago 19, Ill.
Watson-Stillman Press Div Farrel-Birmingham Co 565 Blossom Rd Rochester 10 N Y
Zeh & Hahnemann—See Decherts Machine Shop Inc

PRESSES, Extruding

Baldwin-Lima-Hamilton Corp Philadelphia National Bank Bldg Philadelphia 7 Pa "Loewy" (Hydraulic)
Birdsboro Steel Foundry & Machine Co Birdsboro Pa (Hydraulic)
Bliss Co E W 1375 Raff Rd S W Canton Ohio
Cleveland Punch & Shear Works Co 3917 St Clair Ave Cleveland Ohio
Danly Machine Specialties Inc 2100 S Laramie Ave Chicago 50 Ill
Dow Chemical Co Midland Mich
Farquhar—See Oliver Corp A B Farquhar Div
Federal Machine & Welder Co 1745 Overland Ave Warren Ohio "Warco"
French Oil Mill Machinery Co Piqua Ohio
Lake Erie Machinery Corp 890 Woodward Ave Buffalo 17 N Y (Hydraulic)
Loewy—See Baldwin-Lima-Hamilton Corp
National Machinery Co Greenfield & Stanton Sts Tiffin Ohio
Oliver Corp A B Farquhar Div 142 N Duke St York Pa "Farquhar" (Hydraulic)
Warco—See Federal Machine & Welder Co
Watson-Stillman Press Div Farrel-Birmingham Co 565 Blossom Rd Rochester 10 N Y

PRESSES, Forcing

Birdsboro Steel Foundry & Machine Co., Birdsboro, Pa.
Dake Corp 724 Robbins Rd Grand Haven Mich
Elmes Engineering Div American Steel Foundries 1163 Tennessee Ave Cincinnati 29 Ohio (Hydraulic)
Farquhar Co A B 142 N Duke St York Pa (Hydraulic)
Federal Machine & Welder Co 1745 Overland Ave Warren Ohio
Flexible Power—See General Mfg Co
Fox Engrg Co 1336 Francis St Jackson Mich
French Oil Mill Machinery Co Piqua Ohio
General Mfg Co 6432 Farnsworth Ave Detroit 11 Mich "Flexible Power"
H-P-M—See Hydraulic Press Mfg. Co.
Hannifin Co 543 S Wolf Rd Des Plaines Ill (Hydraulic)
Hydraulic Press Mfg. Co., Mount Gilead, Ohio. "H-P-M."
International Products Mfg Co 850 N Ogden Ave Chicago 22 Ill (Hydroelectric)
Lake Erie Machinery Corp 890 Woodward **Ave Buffalo 17 N Y (Hydraulic)**
Logansport Machine Co 860 Center Ave Logansport Ind "Logan" (Pneumatic and hydraulic)
Lucas Machine Div New Britain Machine Co 12302 Kirby Ave Cleveland 8 Ohio
Oliver Corp A B Farquhar Div 142 N Duke St York Pa (Hydraulic)
Watson-Stillman Press Div Farrel-Birmingham Co 565 Blossom Rd Rochester 10 N Y

PRESSES, Forging

Ajax Mfg Co 1441 Chardon Rd Cleveland 17 Ohio
Baldwin-Lima-Hamilton Corp Philadelphia National Bank Bldg Philadelphia 7 Pa "Loewy"
Birdsboro Steel Foundry & Machine Co Birdsboro Pa
Bliss Co E W 1375 Raff Rd S W Canton Ohio
Clearing Div of U S Industries Inc 6499 W 65th St Chicago 38 Ill
Cleveland Punch & Shear Works Co 3917 St Clair Ave Cleveland Ohio
Decherts Machine Shop Inc 713 W Main St Palmyra Pa "Zeh & Hahnemann"
Elmes Engineering Div American Steel Foundries 1163 Tennessee Ave Cincinnati 29 Ohio (Hydraulic)
Erie Foundry Co., 1253 W. 12th St., Erie, Pa. (Mechanical)
French Oil Mill Machinery Co., Piqua, Ohio.
H-P-M—See Hydraulic Press Mfg. Co.
Hydraulic Press Mfg. Co., Mount Gilead, Ohio. "H-P-M."
Lake Erie Machinery Corp 890 Woodward Ave Buffalo 17 N Y (Hydraulic)
Loewy—See Baldwin-Lima-Hamilton Corp
Lucas Machine Tool Co., 12302 Kirby Ave Cleveland 8, Ohio.
Maxipres—See National Machinery Co.
Mesta Machine Co., Box 1466, Pittsburgh 30, Pa.
National Machinery Co., Tiffin, Ohio. "Maxipres."
Oliver Corp A B Farquhar Div 142 N Duke St York Pa "Farquhar" (Hydraulic)
Verson Allsteel Press Co., 93rd St. & Kenwood Ave., Chicago, Ill.
Watson-Stillman Press Div Farrel-Birmingham Co 565 Blossom Rd Rochester 10 N Y
Zeh & Hahnemann—See Decherts Machine Shop Inc

PRESSES, Hydraulic

Air Hydraulics Inc 811 Belden St Jackson Mich
American—See Sundstrand American Broach Div
American Chain & Cable Co Automotive & Aircraft Div 601 Stephenson Bldg Detroit 2 Mich
Anderson Bros. Mfg. Co., 1907 Kiswaukee St., Rockford, Ill
Baldwin-Lima-Hamilton Corp Philadelphia National Bank Bldg Philadelphia 7 Pa "Loewy"
Birdsboro Steel Foundry & Machine Co., Birdsboro, Pa.
Blackhawk Mfg. Co., 5225 W. Rogers St., Milwaukee 46 Wis
Bliss Co E W 1375 Raff Rd S W Canton Ohio
C P—See Chicago Pneumatic Tool Co
Chambersburg Engrg Co Derbyshire St Chambersburg Pa
Chicago Pneumatic Tool Co 6 E 44th St New York 17 N Y "C P"
Clearing Div of U S Industries Inc 6499 W 65th St Chicago 38 Ill
Clifton Hydraulic Press Co 289 Alwood Rd Clifton N J
Colton Co Div Snyder Tool & Engrg Co 3400 E Lafayette St Detroit 7 Mich
Dake Corp 724 Robbins Rd Grand Haven Mich
Denison Engrg Div American Brake Shoe Co 1160 Dublin Rd., Columbus, Ohio "Denison Multipress"
Detroit Broach & Machine Co 950 S Rochester Rd Rochester Mich
Elmes Engineering Div American Steel Foundries 1163 Tennessee Ave Cincinnati 29 Ohio
Erie Foundry Co., 1253 W. 12th St., Erie, Pa.
Farquhar—See Oliver Corp A B Farquhar Div
Fox Engrg Co 1336 Francis St Jackson Mich
French Oil Mill Machinery Co., Piqua, Ohio.
General Mfg Co 6432 Farnsworth Ave Detroit 11 Mich
Greenerd Arbor Press Co., 41 Crown St., Nashua, N. H.
H-P-M—See Hydraulic Press Mfg. Co.
Hannifin Corp 543 S Wolf Rd Des Plaines Ill
Hydraulic Press Mfg. Co., Mount Gilead, Ohio. "H-P-M."
KRW—See K R Wilson Inc
Kane & Roach Niagara & Shonnard Sts Syracuse 4 N Y
Lake Erie Machinery Corp 890 Woodward Ave., Buffalo 17, N. Y.
Lapointe Machine Tool Co., 34 Tower St., Hudson, Mass. "Lapointe Hudson."
Lempco Products Inc 5490 Dunham Rd Bedford Ohio
Link Engrg Co 13840 Elmira Ave Detroit 27 Mich
Lodge & Shipley Co 3055 Colerain Ave Cincinnati 25 Ohio
Loewy—See Baldwin-Lima-Hamilton Corp
Logan Engrg Co 4901 W Lawrence Ave Chicago 30 Ill
Logansport Machine Co 860 Center Ave Logansport Ind
Mesta Machine Co Box 1466 Pittsburgh 30 Pa
Multipress—See Denison Engrg Co
Niagara Machine & Tool Works 683 Northland Ave Buffalo 11 N Y
Nugier Co F A 1748 Berkeley St Santa Monica Calif
OTC—See Owatonna Tool Co
Oliver Corp A B Farquhar Div 142 N Duke St York Pa (Hydraulic)
Owatonna Tool Co 342 N Cedar St Owatonna Minn "OTC"
Paul Machine Tool & Die Works 4600 S Kedzie Ave Chicago 32 Ill
Rodgers Hydraulic Inc 7401 Walker St Minneapolis 26 Minn (Shop and portable)
Schildmeier Co H C 312 N Senate Ave Indianapolis 4 Ind
Sundstrand American Broach Div of Sundstrand Corp 415 W Huron St Ann Arbor Mich "American"
Sutton Engrg Co First National Bank Bldg Pittsburgh 22 Pa
Tamco—See Tobin-Arp Mfg Co
Tobin-Arp Mfg Co 6400 Penn Ave S Minneapolis 23 Minn "Tamco" (Air-hydraulic for piston pins)
Tripp F A 409 E Fort St Detroit 26 Mich
Trucut—See Frank N Wood Co
Verson Allsteel Press Co., 93rd St. & Kenwood Ave., Chicago, Ill. "Verson Wheelon"
Watson-Stillman Press Div Farrel-Birmingham Co 565 Blossom Rd Rochester 10 N Y
Williams White & Co 100 Eighth St Moline Ill
Wilson Inc K R Arcade N Y "KRW"
Winona Tool Mfg. Co., 1430 W. Broadway Winona, Minn. "Wi-To-Co."
Wi-To-Co—See Winona Tool Mfg. Co.
Wood Co Frank N 344 N Main St Waukesha Wis "Trucut"

PRESSES, Injection Molding

(See also Presses, Plastic Molding)

Watson-Stillman Press Div Farrell-Birmingham Co 565 Blossom Rd Rochester 10 N Y

PRESSES, Plastic Molding

Baker Bros Inc P O Box 101 Sta F Toledo 10 Ohio
Baldwin-Lima-Hamilton Corp Philadelphia 42 Pa

PRESSES, Plastic Molding—continued

Birdsboro Steel Foundry & Machine Co., Birdsboro, Pa. (Hydraulic.)
Bliss Co E W 1375 Raff Rd S W Canton Ohio
Dake Corp 724 Robbins Rd Grand Haven Mich
Elmes Engineering Div American Steel Foundries 1163 Tennessee Ave Cincinnati 29 Ohio (Hydraulic)
Fellows Gear Shaper Co 78 River St Springfield Vt
Francis Co., Chas. E., Huntington, Ind.
French Oil Mill Machinery Co., Piqua, Ohio.
H-P-M—See Hydraulic Press Mfg. Co.
Hannifin Co 543 S Wolf Rd Des Plaines Ill (Pneumatic and hydraulic)
Hydraulic Press Mfg Co 1000 Marion Rd Mount Gilead Ohio "H-P-M"
Impco—See Improved Machinery Inc
Improved Machinery Inc 150 Burke St Nashua N H "Impco"
Kux Machine Co 6725 N Ridge Ave Chicago 26 Ill
Lake Erie Machinery Corp 890 Woodward Ave Buffalo 17 N Y
Lester Engrg. Co., 2711 Church Ave., Cleveland 13, Ohio. (Sole distributors, Lester-Phoenix Inc 2711 Church Ave Cleveland 10, Ohio)
Lewis Welding & Engineering Corp 1 Interstate St Bedford Ohio
Lodge & Shipley Co 3055 Colerain Ave Cincinnati 25 Ohio
Reed-Prentice Div Package Machinery Co 330 Chestnut St East Longmeadow Mass
Stokes Corp F. J., 5500 Tabor Rd., Philadelphia 20, Pa.
Verson Allsteel Press Co 93rd St & Kentwood Ave Chicago 19 Ill
Watson-Stillman Press Div Farrel-Birmingham Co 565 Blossom Rd Rochester 10 N Y
Williams White & Co 100 8th St Moline Ill

PRESSES, Powdered Metal

(For compressing powdered metal)

Baldwin-Lima-Hamilton Corp Philadelphia National Bank Bldg Philadelphia 7 Pa "Hamilton"
Bliss Co E W 1375 Raff Rd S W Canton Ohio
Clearing Div of U S Industries Inc 6499 W 65th St Chicago 38 Ill
Colton Co Div of Snyder Tool & Engrg Co Arthur 3400 E Lafayette St Detroit 7 Mich
Dake Corp 724 Robbins Rd Grand Haven Mich
Elmes Engineering Div American Steel Foundries 1163 Tennessee Ave Cincinnati 29 Ohio (Hydraulic)
Haller Inc 16580 Northville Rd Northville Mich
Hamilton—See Baldwin-Lima-Hamilton Corp
Kux Machine Co 6725 N Ridge Ave Chicago 26 Ill
Lake Erie Machinery Corp 890 Woodward Ave Buffalo 17 N Y (Hydraulic)
Milwaukee Foundry Equipment Div of Spo Inc 3238 W Pierce St Milwaukee Wis (Hydraulic)
Stokes Corp 5500 Tabor Rd., Philadelphia 20 Pa
Watson-Stillman Press Div Farrel-Birmingham Co 565 Blossom Rd Rochester 10 N Y

PRESSES, PUNCH—See Machines, Punching

PRESSES, Sheet Metal Working

Alpha Press & Machine Inc 9281 Freeland Ave Detroit 28 Mich
Baird Machine Co 1700 Stratford Ave Stratford Conn (Automatic)
Baldwin-Lima-Hamilton Corp Philadelphia National Bank Bldg Philadelphia 7 Pa
Barnes Corp John S 301 S Water St Rockford Ill (Hydraulic)
Bath Co Cyril 32400 Aurora Rd Solon Ohio
Birdsboro Steel Foundry & Machine Co Birdsboro Pa
Bliss Co E W 1375 Raff Rd S W Canton Ohio
Brandes Press Co 6408 Euclid Ave Cleveland 3 Ohio
C & M—See Coulter & McKenzie Machine Co
Cecostamp—See Chambersburg Engrg Co
Chambersburg Engrg Co Derbyshire St Chambersburg Pa "Cecostamp"
Chicago—See Dreis & Krump Mfg. Co.
Clearing Div of U S Industries Inc 6499 W 65th St Chicago 38 Ill
Cleveland Punch & Shear Works Co 3917 St Clair Ave Cleveland Ohio
Coulter & McKenzie Machine Co 35 Union Ave Bridgeport Conn "C & M"
Danly Machine Specialties Inc 2100 S Laramie Ave Chicago 50 Ill
Decherts Machine Shop Inc 713 W Main St Palmyra Pa "Zeh & Hahnemann"
Di-Acro—See O'Neil-Irwin Mfg. Co.
Diamond Machine Tool Co 5111 Coffman-Pico Rd Pico Calif "Diamond" & "Multi-Max"
Dreis & Krump Mfg. Co., 7424 Loomis Blvd., Chicago, Ill. "Chicago."
Elmes Engineering Div American Steel Foundries 1163 Tennessee Ave Cincinnati 29 Ohio (Hydraulic)
Emhart Mfg Co Hudson Div Union Turnpike Hudson N Y "V & O"
Erie Foundry Co 1253 W 12th St Erie Pa (Mechanical)
Excelsior Tool & Machine Co., 31st St. & Ridge Ave., East St. Louis, Ill.
Farquhar—See Oliver Corp A B Farquhar Div
Federal Machine & Welder Co 1745 Overland Ave Warren Ohio "Warco"
Federal Press Co., 511 E. Division St., Elkhart, Ind.
Ferracute Machine Co., 429 E. Commerce St., Bridgeton, N. J.
French Oil Mill Machinery Co., Piqua, Ohio.
H-P-M—See Hydraulic Press Mfg. Co.
Hamilton—See Baldwin-Lima-Hamilton Corp Hamilton Div
Heavy Machine Div., Cleveland Crane & Engineering Co., 5867 E. 259 St., Wickliffe, Ohio. "Steelweld."
Henry & Wright Div of Emhart Mfg Co 760 Windsor St Hartford 1 Conn
Hufford Machine Works Inc 1700 E Grand Ave El Segundo Calif
Hydraulic Press Mfg. Co., Mount Gilead, Ohio. "H-P-M."
Johnson Machine & Press Corp 620 W Indiana Ave Elkhart Ind
L & J Press Corp., Elkhart, Ind.
Lake Erie Machinery Corp 890 Woodward Ave Buffalo 17 N Y
Minster Machine Co 240 W 5th St Minster Ohio
Multi-Max—See Diamond Machine Tool Co
Niagara Machine & Tool Works, 683 Northland Ave., Buffalo 11, N. Y.
Oliver Corp A B Farquhar Div 142 N Duke St York Pa "Farquhar"
O'Neil-Irwin Mfg Co 514 Eighth Ave Lake City Minn "Di-Acro"
Perkins Machine Co., 12 Perkins Ave., Warren, Mass.
Precision Welder & Flexopress Corp 3520 Ibsen Ave Cincinnati 9 Ohio "Precision Flexopress"
Steelweld—See Heavy Machine Div Cleveland Crane & Engineering Co
U S Tool Co 255 N 18th St Ampere (East Orange) N J
V & O—See Emhart Mfg Co
Verson Allsteel Press Co 93rd St & Kenwood Ave Chicago Ill
Walsh Press & Die Div of American Gage & Machine Co 4709 W Kinzie St Chicago 44 Ill
Warco—See Federal Machine & Welder Co
Waterbury Farrel Foundry & Machine Co Div of Textron Inc 453 Bank St Waterbury 20 Conn
Watson-Stillman Press Div Farrel-Birmingham Co 565 Blossom Rd Rochester 10 N Y (Hydraulic)
Wean Equipment Co 22828 Lakeland Ave Euclid Cleveland 17 Ohio
Williams White & Co 100 Eighth St Moline Ill.
Zeh & Hahnemann—See Decherts Machine Shop Inc

PRESSES, STAMPING — See Presses, Sheet Metal Working

PRESSES, Straightening

(Including bench, pedestal and power types; also Machines, Straightening)

American — See Sundstrand American Broach Div
Anderson Bros. Mfg. Co., 1907 Kishwaukee St., Rockford, Ill. (Hydraulic.)
Barnes Corp John S 301 S Water St Rockford Ill
Bear Mfg Co 21st St & Fifth Ave Rock Island Ill (Axle and wheel)
Bee-Line Co., Box 569, Davenport, Iowa. (Axle, brake drum, hub, frame and spring re-arching.)
Birdsboro Steel Foundry & Machine Co., Birdsboro, Pa.
Bliss Co E W 1375 Raff Rd S W Canton Ohio
Dake Corp 724 Robbins Rd Grand Haven Mich
Elmes Engineering Div American Steel Foundries 1163 Tennessee Ave Cincinnati 29 Ohio (Hydraulic)
Fox Engrg Co 1336 Francis St Jackson Mich
Greenerd Arbor Press Co., 41 Crown St Nashua, N. H.
H-P-M—See Hydraulic Press Mfg. Co.
Hannifin Co 543 S Wolf Rd Des Plaines Ill (Hydraulic)
Hydraulic Press Mfg. Co., Mount Gilead, Ohio. "H-P-M."
Impco—See Industrial Metal Products Corp
Industrial Metal Products Corp 3417 W St Joseph St Lansing 1 Mich "Impco" (Transmission shaft, axle shaft, rocker arm shaft, camshaft and crankshaft)
Lake Erie Machinery Corp 890 Woodward Ave Buffalo 17 N Y (Hydraulic)
Lempco Products Inc 5490 Dunham Rd Bedford Ohio
Mackintosh-Hemphill Div E W Bliss Co 901 Bingham St S S Pittsburgh 3 Pa (Tubing)
Manbee Equip Div Bear Mfg Co P O Box 607 Rock Island Ill
Oliver Corp A B Farquhar Div 142 N Duke St York Pa
Riess Mfg. Co., 315 S. Union St., Kokomo, Ind. (Axle.)
Schildmeier Co H C 212 N Senate Ave Indianapolis 4 Ind (Axle; steering arms; drive shafts, knee-action parts; hubs, brake drums, etc)
Springfield Machine Tool Co 631 Southern Ave W Springfield Ohio (Bench)
Storm-Vulcan Inc 2225 Burbank St Dallas 19 Tex (Connecting rod)
Sundstrand American Broach Div of Sundstrand Corp 415 W Huron St Ann Arbor Mich "American"
Sutton Engrg Co First National Bank Bldg Pittsburgh 22 Pa
Verson Allsteel Press Co 93rd St & Kenwood Ave Chicago 19 Ill
Watson-Stillman Press Div Farrel-Birmingham Co 565 Blossom Rd Rochester 10 N Y
Williams White & Co 100 Eighth St Moline Ill

PRESSES, Tire

(For pressing hard rubber tires on and off rims)

Dake Corp 724 Robbins Rd Grand Haven Mich

PRESSES, Tire and Tube Curing

McNeil Machine & Engineering Co 96 E Crosier St Akron 11 Ohio "McNeil-Akron"

PRESSES, Trimming

Greenlee Bros & Co 1702 Mason Ave Rockford Ill

PRESSES, Welding

Baldwin-Lima-Hamilton Corp Philadelphia National Bank Bldg Philadelphia 7 Pa "Hamilton"
Barnes Corp John S 301 S Water St Rockford Ill
Bliss Co E W 1375 Raff Rd S W Canton Ohio
Clearing Div of U S Industries Inc 6499 W 65th St Chicago 38 Ill (Spot)
Federal Machine & Welder Co 1745 Overland Ave Warren Ohio
Hamilton—See Baldwin-Lima Hamilton Corp

PRESSURE TESTING MACHINES—See Machines, Pressure and Vacuum Testing

PRIMERS, Engine (Hand)

Chevron—See Standard Oil Co of Calif
Dole Valve Co 6201 Oakton St Morton Grove Ill
Imperial Brass Mfg Co 6300 W Howard St Chicago 31 Ill
Quick-Start—See Turner Corp
Standard Oil Co of Calif Western Operations Inc 225 Bush St San Francisco 20 Calif "Chevron"
Start Pilot Corp 61 Second St Mineola N Y
Turner Corp 821 Park Ave Sycamore Ill "Quick-Start"

PRIMING CUPS—See Cups, Priming

PROFILE GRINDING MACHINES—See Machines, Profiling

PROFILING MACHINES—See Machines, Profiling

PROJECTORS, Optical (Contour)

Eastman Kodak Co 343 State St Rochester 4 N Y

PROPELLER SHAFTS — See Shafts, Propeller

PROTECTIVE COATINGS FOR METAL PARTS—See Coatings, Protective (Metal Parts)

PRUSSIAN BLUE—See Blue, Mechanics'

PULLEYS, Belt

(For fan, generator or accessory drives)

Automatic Steel Products Inc Spun Steel Div 1201 Camden Ave S W Canton 6 Ohio "Spunsteel"
Bull Dog—See Jambor Tool & Stamping Co
Climax Metal Products Co 863 E 140th St Cleveland 10 Ohio
Indestro Mfg. Co., 2649 N. Kildare Ave., Chicago, Ill.
International Products & Mfg Co 850 N Ogden Ave Chicago 22 Ill (Generator)
Jambor Tool & Stamping Co., 3057 N. 30th St., Milwaukee, Wis. "Bull Dog." (For Ford and Chevrolet cars.)
Lansing Stamping Co., So. Pens Ave., Lansing, Mich.
Paragon Products Corp 140 Astor St Newark 5 N J "Vulcan" (Generator) (Sole distributors Vulcan Motor Products Inc 1060 Broad St Newark 2 N J)
Spunsteel — See Automatic Steel Products Inc
Valley Forge Products Inc 370 19th St Brooklyn 15 N Y
Vulcan—See Paragon Products Corp

PUMP FLOATS, OIL—See Floats, Oil Pump

PUMP PARTS AND FITTINGS—See Couplings, Magneto, Generator and Water Pump; Cups, Leather; Hose, Air (Tire Inflating); Parts, Water Pump; Rings & Seals, Oil & Grease Retaining; also Shafts, Water Pump

PUMPS, AIR—See Compressors, Air

PUMPS, Barrel Emptying (Pneumatic)

Binks Mfg Co 3114 Carroll Ave Chicago 12 Ill
Stewart-Warner Corp Alemite Div 1850 Broadway Chicago 14 Ill "Alemite" (For paint, lubricating oil, etc)

PUMPS, Fuel (Aircraft)

Pesco Products Div Borg-Warner Corp 24700 N Miles Rd Bedford Ohio

PUMPS, Fuel (Auto)

AC Spark Plug The Electronics Div of General Motors 1300 N Dort Highway Flint 2 Mich (Mechanical also combustion fuel and vacuum)
Airtex Automotive Div Airtex Products Inc Fairfield Ill (Also combination fuel and vacuum)
Alco—See Alloy Mfg Co
Alloy Mfg Co 3207 S Shields Ave Chicago 16 Ill "Alco" "Alloy" "Quality Built"
American Motor Products Co Fond du Lac Wis "Ampco"
Ampco—See American Motor Products Co
Autopulse—See Electric Autopulse Div
Bendix—See Eclipse Machine Div Bendix Aviation Corp
Blackstone Mfg Co 4630 W Harrison St Chicago 44 Ill
Capac—See Wells Mfg Corp
Carter Carburetor Div of ACF Industries Inc 2840 N Spring Ave St Louis 7 Mo (Electric and mechanical)
Eastern Industries Inc 100 Skiff St Hamden Conn
Eclipse Machine Div Bendix Aviation Corp Elmira N Y "Bendix" (Electric)
Electric Auto-Lite Co Toledo 1 Ohio
Electric Autopulse Div Walbro Corp 6242 Garfield St Cass City Mich "Autopulse"
Freedco Products Inc 36-08 33rd St Long Island City 6 N Y
Kem Mfg Co 20-21 Wagaraw Rd Fair Lawn N J (Also combination fuel and vacuum)
Master Parts Div Airtex Products Inc Fairfield Ill
Quality Built—See Alloy Mfg Co
Stewart-Warner Corp Instrument Div 1826 Diversey Parkway Chicago 14 Ill (Electric)
Thompson Products Michigan Div Thompson-Ramo-Wooldridge Inc 34201 Van Dyke Ave Warren Mich
Titan Pump & Engrg Corp Novi Mich
Tokheim Corp 1602 Wabash Ave Fort Wayne 1 Ind (Electric)
Wells Mfg Corp 12 S Brooke St Fond du Lac Wis "Capac"

PUMPS, GAS ENGINE DRIVEN—See Compressors, Air (Gasoline Engine Driven)

PUMPS, GREASE (PORTABLE)—See Lubricators, Hand; also Lubricators, Portable [High Pressure]

PUMPS, Hydraulic (Auto, Truck, Etc.)

Aero Mfg & Machining Co 2724 Ninth St Muskegon Heights Mich
Barnes Corp John S 301 S Water St Rockford Ill (For power steering)
Bendix Lakeshore Div Bendix Aviation Corp Lake Shore Drive St Joseph Mich
Char-Lynn Co 2843 26th Ave S Minneapolis 6 Minn
Eastern Industries Inc 100 Skiff St Hamden Conn
Eaton Mfg Co Pump Div W Hanover St Marshall Mich (For power steering units and automatic transmissions)
Hy-Lo-Jack—See Monarch Road Mchy Co
Long Mfg Div Borg-Warner Corp 12501 Dequindre St Detroit 12 Mich
Monarch Road Machinery Co 1331 Michigan St N E Grand Rapids 3 Mich "Hy-Lo-Jack"
Muncie Parts Mfg Co 2601 S Jefferson St Muncie Ind (Truck)
Owatonna Tool Co 342 N Cedar St Owatonna Minn
Roper Hydraulics Inc 225 Blackhawk Park Ave Rockford Ill
Schwitzer Corp 1125 Massachusetts Ave Indianapolis 7 Ind
Thompson Products Michigan Div Thompson-Ramo-Wooldridge Inc 34201 Van Dyke Ave Warren Mich (For power steering automatic transmission and implement powering)
Tuthill Pump Co 939 E 95th St Chicago 19 Ill
Vickers Inc Mobile Hydraulics Div Administrative & Engrg Center Detroit 32 Mich (For power steering)
Webster Electric Co 1900 Clark St Racine Wis
Wisconsin Hydraulics Inc 3165 N 30th St Milwaukee 16 Wis (For truck body hoists)
Wooster Div Borg-Warner Corp Old Mansfield Rd Wooster Ohio

PUMPS, Hydraulic (Machine Tool, Etc.)

Adel Precision Products Div of General Metal Corp 1444 Washington Ave Huntington 4 W Va
Barnes Corp John S 301 S Water St Rockford Ill
Denison Engrg Div American Brake Shoe Co 1160 Dublin Rd Columbus 16 Ohio "Denison Hydrolic"
Eastern Industries Inc 100 Skiff St Hamden Conn
Elmes Engineering Div American Steel Foundries 1163 Tennessee Ave Cincinnati 29 Ohio
H-P-M—See Hydraulic Power Div
Hydraulic Power Div Hydraulic Press Mfg 1000 Marion Rd Mt Gilead Ohio "H-P-M"
Hydreco—See New York Air Brake Co
Hy-Lo-Jack—See Monarch Road Mchy Co
Lapointe Machine Tool Co 34 Tower St Hudson Mass
Monarch Road Machinery Co 1331 Michigan St N E Grand Rapids 3 Mich "Hy-Lo-Jack"
New York Air Brake Co Hydreco Div Kalamazoo Mich "Hydreco"
Oilgear Co 1560 W Pierce St Milwaukee 4 Wis
Racine Hydraulics & Machinery Inc 2000 Albert St Racine Wis
Roper Hydraulics Inc 225 Blackhawk Park Ave Rockford Ill
Sundstrand Machine Tool Div Sundstrand Corp Belvidere Ill
Tuthill Pump Co 939 E 95th St Chicago 19 Ill
Vickers Inc Machinery Hydraulics Div Administrative & Engrg Center Detroit 32 Mich
Wooster Div Borg-Warner Corp Old Mansfield Rd Wooster Ohio

PUMPS, Machine Tool

Atlas Press Co 1842 N Pitcher St Kalamazoo 1 Mich
Barnes Corp John S 301 S Water St Rockford Ill
Brown & Sharpe Mfg. Co., 235 Promenade St., Providence, R I.
Dura Corp Pioneer Pump Div Paris Ky "Pioneer"
Easy Industries 210 N Racine Ave Chicago 7 Ill
Graymills Corp 3705 N Lincoln Ave Chicago 13 Ill (Portable)
Gusher—See Ruthman Machinery Co.
Logansport Machine Co 860 Center Ave Logansport Ind
Pioneer—See Dura Corp
Roper Hydraulics Inc 225 Blackhawk Park Ave Rockford Ill
Ruthman Machinery Co., 1809 Reading Rd., Cincinnati 2, Ohio. "Gusher."
South Bend Lathe Works 425 E Madison St South Bend 22 Ind
Star Jack Co 2638 Davisson St River Grove Ill
Thompson Products Michigan Div Thompson-Ramo-Wooldridge Inc 34201 Van Dyke Ave Warren Mich
Tuthill Pump Co., 939 E. 95th St., Chicago 19, Ill.
Vickers Inc Machinery Hydraulics Div Administrative & Engrg Center Detroit 32 Mich (For hydraulic control systems)
Webster Electric Co 1900 Clark St Racine Wis

PUMPS, Oil Circulating (Engine Driven)

Bull Dog—See Jambor Tool & Stamping Co.
Eaton Mfg Co Pump Div W Hanover St Marshall Mich
Elgin Machine Works Inc 412 N State St Elgin Ill
Hy Duty—See Schwitzer Corp
Jambor Tool & Stamping Co., 3057 N. 30th St., Milwaukee, Wis. "Bull Dog." (For Ford Chevrolet and Plymouth cars)
Lipman Pump Works, 2340 11th St., Rockford, Ill.
McCord Corp Riopelle at E Grand Blvd Detroit 11 Mich
Melling Tool Co 145 W Monroe St Jackson Mich
Schwitzer Corp 1125 Massachusetts Ave Indianapolis 7 Ind "Hy Duty"
Sundstrand Machine Tool Co Hydraulic Div Rockford Ill "Sundstrand Roto-Roll"
Thompson Products Michigan Div Thompson-Ramo-Wooldridge Inc 34201 Van Dyke Ave Warren Mich
Wheel Parts & Mfg Co 352 Fourth Ave N Y 10 N Y
Wohlert Corp 700 E Grand River Ave Lansing 5 Mich (For Ford Chevrolet and Plymouth cars)

PUMPS, Vacuum

AC The Electronics Div of General Motors 1300 N Dort Hway Flint 2 Mich
Cenco—See Central Scientific Co
Central Scientific Co 1700 Irving Park Rd Chicago 13 Ill "Cenco"
Electro-Vac—See Trico Products Co
Leiman Bros Inc 207 Christie St Newark 5 N J
Stokes Corp F J 5500 Tabor Rd Philadelphia 20 Pa
Trico Products Co 817 Washington St Buffalo 3 N Y "Electro-Vac" (For windshield wipers)

PUMPS, Water Circulating (Auto)

Airtex Automotive Div Airtex Products Inc Fairfield Ill
Aluminum Industries Inc 3670 Werk Rd Cincinnati 11 Ohio "Permite"
Cloyes Gear & Products Inc 17214 Roseland Rd N E Cleveland 12 Ohio "Power-Flow"
Elgin Machine Works Inc 412 N State St Elgin Ill
Ertel Products Co Repl Div of Ertel Mfg Corp 1402 E 20th St Indianapolis 7 Ind
Gilpak Automotive Products Div Packer Auto Parts Inc Roselle N J
Grapho Products Inc P O Box 8604 Lawrence Ind
Hy Duty—See Schwitzer Corp
Imco Mfg & Sales Co 10 E Lafayette Ave Baltimore 2 Md
L C Products Inc 2232 Alvord St Indianapolis 7 Ind
Lion Auto Parts & Mfg. Co., 1920 S. Michigan Ave., Chicago 16, Ill.
McQuay-Norris Mfg Co 2320 Marconi Ave St Louis 10 Mo
Master Parts Div Airtex Products Inc Fairfield Ill
National—See Wheel Parts & Mfg Co
Parco—See Parts Mfg. Co.
Parts Mfg. Co., 311 W. 66th St., New York 23, N. Y. "Parco."
Permite—See Aluminum Industries, Inc.
Power-Flow—See Cloyes Gear Works Inc
Preferred Electric & Wire Co Bush Terminal Bldg #8 Brooklyn 32 N Y
Schwitzer Corp 1125 Massachusetts Ave Indianapolis 7 Ind "Hy Duty"
Sealed Power Corp 2001 Sanford St Muskegon Heights Mich
Thompson Products Motor Equipment Mfg Div Thompson-Ramo-Wooldridge Inc 6402 Cedar Rd Cleveland 3 Ohio
Toledo Steel Products Div of Thompson-Ramo-Wooldridge Inc 6402 Cedar Rd Cleveland 3 Ohio
WMP—See Warner Machine Products, Inc.
Warner Machine Products, Inc., 1200 Rochester St., Muncie, Ind. "WMP."
Wheel Parts & Mfg Co 352 Fourth Ave N Y 10 N Y "National"
Wohlert Corp 700 E Grand River Ave Lansing 5 Mich

PUNCHES, Arch or Washer

Osborne & Co., S. S., Jersey & Second Sts., Harrison, N. J.

PUNCHES, Center, Prick and Drift

Brown & Sharpe Mfg Co 235 Promenade St Providence 1 R I
C-T-K—See **Chicago Tool & Kit Mfg Co**
Challenger—See Penens Tool Corp
Chicago Tool & Kit Mfg Co 230 N Jefferson St Chicago 6 Ill "C-T-K"
Cincinnati Tool Co 1967 Waverly Ave Cincinnati 12 Ohio "Hargrave"
Cleveland Steel Tool Co., 660 E. 82nd St., Cleveland 8, Ohio.
Cornwell Quality Tools Co., Mogadore, Ohio
Duro Metal Products Co 2649 N Kildare Ave Chicago 39 Ill "Duro-Chrome"
Hargrave—See Cincinnati Tool Co.
Herbrand Div., Bingham-Herbrand Corp., Lake & Stone Sts., Fremont, Ohio. "Herbrand," "Van Chrome."
Ken Tool Mfg. Co., 768 E. North St., Akron, Ohio
Kraeuter & Co 585 18 Ave Newark 3 N J
Mac—See Mechanic's Tool & Forge Co.
Mayhew Steel Products, Inc. Sears St Shelburne Falls Mass
Mechanic's Tool & Forge Co., Howard St., Sabina 1, Ohio. **"Mac."**
Millers Falls Co 57 Wells St Greenfield Mass
Nasa Tool Mfg Corp 3427 Locust Corner Rd Amelia Ohio
Nupla Mfg Div of New Plastic Corp 1026 N Sycamore St Los Angeles 38 Calif (Drift)
OTC—See Owatonna Tool Co.
Owatonna Tool Co., 342 N. Cedar St., Owatonna, Minn. **"OTC."**
P & C Tool Co Box 5526 Milwaukie Ore
Peck, Stow & Wilcox Co., 217 Center St., Southington, Conn. **"Pexto."**
Penens Tool Corp 3900 Wesley Terrace Schiller Park Ill "Challenger"
Pexto—See Peck, Stow & Wilcox Co.
Proto Tools Co 2209 Santa Fe Ave Los Angeles 54 Calif
Quality Tools Corp Railroad St New Wilmington Pa.
Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis.
Stanley Tools, 111 Elm St., New Britain, Conn.
Starrett Co., L. S., 1 Crescent St., Athol, Mass.
Stortz & Son, John, 210 Vine St., Philadelphia 6, Pa.
Union Tool Co., 48 E. River St., Orange, Mass.
Van Chrome—See Herbrand Div., Bingham-Herbrand Corp.
Vichek Tool Co., 3001 E. 87th St., Cleveland 4, Ohio.
Whitaker Mfg. Co., 409 S. Green St., Chicago, Ill.
Wilde Drop Forge & Tool Co., 2936 Fairmount Ave., Kansas City, Mo.
Williams & Co., J. H., 400 Vulcan St., Buffalo 7, N. Y.

PUNCHES, Lever (Hand)

Di-Acro—See O'Neil-Irwin Mfg Co
Hendley & Whittemore Co Box 959 Beloit Wis
Lewthwaite Machine Co T H 324 E 47th St New York N Y "THL"
Niagara Machine & Tool Works 683 Northland Ave Buffalo 11 N Y
O'Neil-Irwin Mfg Co 514 Eighth Ave Lake City Minn "Di-Acro"
Peck Stow & Wilcox Co 217 Center St Southington Conn "Pexto"
Pexto—See Peck Stow & Wilcox Co
THL—See T H Lewthwaite Machine Co
Whitney Metal Tool Co 190 Forbes St Rockford Ill

PUNCHES, PRICK — See Punches, Center, Prick and Drift

PUNCHES, WASHER—See Punches, Arch or Washer

PUNCHES and SHEARS

Beloit—See Hendley & Whittemore Co
Buffalo Forge Co 490 Broadway Buffalo 4 N Y
Champion Blower & Forge Co., Harrisburg Ave. & Charlotte St., Lancaster, Pa.
Cleveland Punch & Shear Works Co., 3917 St. Clair Ave., Cleveland, Ohio.
Consolidated Machine Tool Div Farrel-Birmingham Co 565 Blossom Rd Rochester 10 N Y "Hilles & Jones"
Coulter & McKenzie Machine Co 35 Union Ave Bridgeport Conn
Di-Acro—See O'Neil-Irwin Mfg. Co.
Excelsior Tool & Machine Co 31st St & Ridge Ave East St Louis Ill
Gundlach Machine Co., T. J., 226 Centerville Ave., Belleville, Ill. "Little Giant." (Bench.)
Hendley & Whittemore Co Box 959 Beloit Wis "Beloit"
Hilles & Jones—See Consolidated Machine Tool Div
Kent-Owens Machine Co., 958 Wall St., Toledo, Ohio.
Kling Bros. Engineering Works, 1320 N Kostner Ave., Chicago 51, Ill.
Little Giant—See Gundlach Machine Co.
O'Neil-Irwin Mfg Co 514 Eighth Ave Lake City Minn "Di-Acro"
Peck, Stow & Wilcox Co., 217 Center St., Southington, Conn. "Pexto."
Perkins Machine Co., 12 Perkins Ave., Warren, Mass.
Pexto—See Peck, Stow & Wilcox Co
Williams White & Co 100 Eighth St Moline Ill

PURIFIERS, Exhaust (For Internal Combustion Engines)

Independence Chemical Co 606 S Water St Philadelphia 47 Pa "Nodorizer" (Chemical for Diesel engines)
Nodorizer—See Independence Chemical Co
OCM—See Oxy-Catalyst Inc
Oxy-Catalyst Inc Wayne Pa "OCM"

PUSHBUTTONS, Industrial

Westinghouse Electric Corp Standard Control Div Beaver Pa

PYROMETERS

(See also Thermometers, Recording and Indicating)

API—See Assembly Products Inc
Alnor—See **Illinois Testing Laboratories**
Assembly Products Inc 75 Wilson Mills Rd Chesterland Ohio "API"
Barber-Colman Co 1300 Rock St Rockford Ill "Wheelco"
Bristol Co Waterbury 20 Conn
Electronik — See Minneapolis - Honeywell Regulator Co
Engelhard Industries Inc Instruments & Systems Div 850 Passaic Ave E Newark N J
Foxboro Co., Neponset Ave., Foxboro, Mass.
G-E—See **General Electric Co**
General Electric Co Apparatus Sales Div 1 River Rd Schenectady 5 N Y "G-E"
Gordon Co Claud S 3000 S Wallace St Chicago 16 Ill **"Xactemp"**
Huppert Co., K. H., 6830 Cottage Grove Ave., Chicago 37, Ill. (Portable)
Illinois Testing Laboratories, 420 N. La Salle St., Chicago, Ill. "Alnor." "Pyro-Lance."
Leeds & Northrup Co., 4970 Stenton Ave., Philadelphia 44, Pa. **"Speedomax."**
Lewis Engineering Co., 339 Church St., Naugatuck, Conn.
Minneapolis-Honeywell Regulator Co Industrial Div Wayne & Windrim Aves Philadelphia 44, Pa "Electronik" "Pyr-O-Vane" **"Protect-O-Vane" "Radiamatic"**
Protect-O-Vane — See Minneapolis-Honeywell Regulator Co
Pyro—See Pyrometer Instrument Co.
Pyro-Lance—See **Illinois Testing Laboratories.**
Pyrometer Instrument Co., Bergenfield, N. J **"Pyro."**
Pyr-O-Vane — See Minneapolis - Honeywell Regulator Co
Radiamatic — See Minneapolis-Honeywell Regulator Co
Speedomax—See Leeds & Northrup Co.
Weston Instruments Div of Daystrom Inc 614 Frelinghuysen Ave Newark 12 N J
Wheelco—See Barber-Colman Co
Xactemp—See Claud S Gordon Co

QUENCHING MACHINES — See Machines, Quenching

QUENCHING TANKS—See Tanks, Quenching

RACES, BALL—See Cups and Cones, Ball

RACKS, BAR STOCK—See Racks, Stock Tire and Tool (Metal)

RACKS, Stock, Tire and Tool (Metal)

ASI—See Angle Steel Inc
Adjusto—See Bernard Gloekle North East Co
Adjusto Deck—See Walter Haertel Co
Angle Steel Inc., 56 Oak St., Plainwell, Mich. "ASI"
BG—See Bernard Gloekle North East Co
Balloon Tire Mould Co 527 Ceres Ave Los Angeles 13 Cal "Brown" (Tire)
Barrett-Cravens Co 630 Dundee Rd Northbrook Ill
Bay Products Div American Metal Works Inc 1835 W Cambria St Philadelphia 32 Pa (Steel tool)
Berger Div Republic Steel Corp 1038 Belden Ave N E Canton 5 Ohio
Bernard Franklin Co Healey & Bath Sts Philadelphia 37 Pa
Bernard Gloeker North East Co Robinson & Wall Sts North East Pa "Adjusto" "BG" (Drum die stock cable reel etc)
Branick Mfg Co 2600 Third Ave N Fargo N D (Tire)
Brown—See Balloon Tire Mould Co
Brown Engineering Co 131 N Third St Reading Pa (Stock)
Chicago Tramrail Corp 1330 S Kostner Ave Chicago 23 Ill "Trak-Rak"
Coats Co 3001 5th and S Fort Dodge Iowa **(Tire; sole distributors; Jack P Hennessy** Sales Co 12 Depot Sq Englewood N J)
Durlach Can & Iron Works 325 Spring St N Y N Y
Economy Engineering Co 4511 W Lake St Chicago 24 Ill (Barrel)
Equipto Div Aurora Equipment Co Prairie St at Cleveland Aurora Ill
FGM—See Frick-Gallagher Mfg Co
Factory Service Co 4615 N 21st St Milwaukee 9 Wis "Turner System"
Fenton Industries 5165 San Fernando Rd W Los Angeles 39 Calif **"Fenton Fooler"** (Tire); "Handy van" (Portable drum)
Frick-Gallagher Mfg Co 200 W Second St Wellston Ohio "FGM"
Haertel Co Walter 2840 Fourth Ave S Minneapolis 8 Minn "Adjusto Deck"
Handy van—See Fenton Industries
Heller & Co W C 1907 Wabash Ave Montpelier Ohio
Kirspel Industries Inc Livingston N J (Portable tire)
Lewis-Shepard Products Inc 1050 Walnut St Watertown Mass "LoadMaster"
LoadMaster—See Lewis-Shepard Products Inc
Lyon Metal Products Inc 2931 Montgomery St Aurora Ill
MHS—See Mechanical Handling Ssystems Inc
Mechanical Handling Systems Inc 4600 Nancy Ave Detroit 12 Mich "MHS" (Stock)
Morrison-International Corp P O 185 Sta F Buffalo N Y (Sole distributors Jack P Hennessy Sales Co Englewood N J)
Paltier Corp 1701 Kentucky St Michigan City Ind (Pallet pyramid and drive-in)
Republic Steel Corp Pressed Steel Div 6100 Truscon Ave Cleveland 27 Ohio (Also portable drum)
Revolvator Co 2026 86th St North Bergen N J (Barrel and drum)
Trak-Rac—See Chicago Tramrail Corp
Turner System—See Factory Service Co.
Unistrut Products Co 933 Washington Blvd Chicago 7 Ill (Framing)

RADIAL DRAW FORMING MACHINES—See Machines, Forming (Radial Draw)

RADIATOR PARTS and ATTACHMENTS

See following heads:
Caps, Radiator
Cores, Radiator
Fans, Radiator
Gages, Water Temperature Indicating
Grilles, Radiator
Guards, Radiator Grille Fender and Trunk
Heaters, Engine Pre-Heating
Hose, Radiator
Monograms, Initials and Emblems (Ornamental)
Ornaments, Radiator and Hood
Shutters, Radiator

RADIATORS, Engine Cooling

Auto Radiator Mfg. Co., 2901 Indiana Ave., Chicago, Ill. "Eureka."
Beacon Auto Radiator Co 110 Brookline Ave Boston 15 Mass
Daniel Radiator Mfg Co 5542 Harvey Wilson Dr Houston 20 Tex **"Gold Seal"**
Eureka—See Auto Radiator Mfg. Co.
Fedders-Quigan Corp. Co., 57 Tonawanda St., Buffalo 7, N. Y.
G & O Mfg. Co., 138 Winchester Ave., New Haven, Conn.
General Radiator Co P O Box 28 Mt Vernon Ill
Gold Seal—See Daniel Radiator Mfg Co
Harrison Radiator Div., General Motors Corp., Washburn & Walnut Sts., Lockport, N. Y.
Long Mfg Div Borg-Warner Corp 12501 Duquindre St Detroit 12 Mich
McCord Corp Riopelle at E Grand Blvd Detroit 11 Mich

Modine Mfg Co 1500 De Koven Ave Racine Wis
Paragon Auto Radiator Corp 51 Rutledge St Brooklyn 11 N Y
Perfex Corp., 500 W. Oklahoma Ave., Milwaukee 7, Wis.
Yates-American Machine Co Beloit Wis
Young Radiator Co., 709 S. Marquette St., Racine, Wis.

RADIO ACCESSORIES (Auto)

Antenna Specialists Co 12435 Euclid Ave Cleveland 6 Ohio "Baseball"
Baseball—See Antenna Specialists Co
Casco Products Corp 512 Hancock Ave Bridgeport 2 Conn (Antennas)
Continental Carbon Div of Wirt Co 5221 Greene St Philadelphia Pa (Suppressors and condensers)
Croname Inc 6217 Howard St Chicago 48 Ill (Remote control tuning devices)
Electro Products Laboratories Inc 4501 N Ravenswood Ave Chicago 40 Ill (Low voltage DC power supply)
Filtron Co 131 Fowler Ave Flushing 55 L I N Y (Filters and suppressors)
Gem—See P R Mallory & Co
J F D Mfg Co 6101 16th Ave Brooklyn 4 N Y (Aerials)
Mallory & Co P R 76 S Gray St Indianapolis 6 Ind "Midgetrol" "Uni-Shaft" "Gem" (Vibrators capacitors and volume controls and switches)
Meteor—See Star Antenna Co
Midgetrol—See P R Mallory & Co
Motorola Inc 4545 W Augusta Blvd Chicago 51 Ill
Nemco-Speedex Mfg Co Div of GC-Textron Inc 418 S Wyman St Rockford Ill (Antennas condensers suppressors and rear deck speaker kits)
Ohio Carbon Co 12508 Berea Rd Cleveland 11 Ohio "Ohiohm" (Suppressors and resistors)
Oxford Components Div Oxford Electric Corp 556 W Monroe St Chicago 6 Ill "Oxford" "Satellite" (Rear deck speaker kits)
Philco Corp Automotive Div Tioga & C Sts Philadelphia 34 Pa (Aerials)
Pioneer Specialty Co 6537 Russell St Detroit 11 Mich (Electric and vacuum antennas)
Potter & Brumfield Inc Princeton Ind (Relays)
R.C.C.—See Radio Condenser Co.
Radio Condenser Co Copewood & Davis Sts Camden N J "RCC" (Radio tuners)
Satellite—See Oxford Components Div Oxford Electric Corp
Sprague Electric Co 344 Marshall St North Adams Mass (Filters)
Stackpole Carbon Co Stackpole St St Mary's Pa (Resistors)
Star Antenna Co 1770 Lakeview Ave East Cleveland O "Meteor" "Star" "Two-Star"
Tenna Mfg Co 7580 Garfield Blvd Cleveland 25 Ohio (Aerials)
Tung-Sol Electric Inc 95 8th Ave Newark 4 N J (Tubes)
Two-Star—See Star Antenna Co
Uni-Shaft—See P R Mallory & Co
Unity Mfg. Co., 2909 Indiana Ave., Chicago 16, Ill. (Aerials.)
Ward Products Corp Edson St Amsterdam N Y (Aerials)

RADIO RECEIVING SETS, Auto, Truck and Tractor

Automatic Radio Mfg. Co., 122 Brookline Ave., Boston, Mass.
Bendix Radio Div Bendix Aviation Corp E Joppa Rd Towson 4 Md (Custom built only)
Delco Radio Div 700 E Firmin St General Motors Corp Kokomo Ind
Motorola Inc 4545 W Augusta Blvd Chicago 51 Ill
Philco Corp Automotive Div Tioga & C Sts Philadelphia 34 Pa
S-C—See Stromberg-Carlson Div
Stromberg-Carlson Div of General Dynamics Corp 100 Carlson Rd Rochester 3 N Y "S-C"
Sylvania Electric Products Inc Lighting Div 60 Boston St Salem Mass

RADIO SPEAKER FRAMES—See Frames Radio Speaker

RADIOS, Two-Way (Bus, Truck, Taxi, Auto, Etc.)

Bendix Radio Div Bendix Aviation Corp E Joppa Rd Towson 4 Md "Command-Air" "Dyna-Com"
Comco—See Communications Co
Command-Air—See Bendix Radio Div Bendix Aviation Corp
Communications Co 300 Greco Ave Coral Gables 34 Fla "Comco"
Du Mont Laboratories Inc Allen B 750 Bloomfield Ave Clifton N J
Dyna-Com—See Bendix Radio Div
Federal Telephone & Radio Co 100 Kingsland Rd Clifton N J
General Electric Co Communication Products Dept Electronics Park Syracuse N Y
Kaar Engrg Corp 2995 Middlefield Rd Palo Alto Calif (For commercial vehicles)
Motorola Inc 4545 W Augusta Blvd Chicago 51 Ill
RCA Carfone—See Radio Corp of America
Radio Corp of America Mobile Communications Dept Camden N J "RCA Carfone" (For fleet owners)

RAILS, Robe or Coat

(Metal rails or leather or fabric straps for attaching to back or front seats)
Carter Co., George R., 630 Lycaste Ave., Detroit, Mich.
Schlegel Mfg Co 1555 Jefferson Rd Rochester 23 N Y

RAILS, Rub (Pressed Steel)

(For trucks, trailers and buses)
Bath Co Cyril 32400 Aurora Rd Solon Ohio
Cutler Metal Products Co., 1025 Line St., Camden, N. J.
Hart Metal Products Corp 3333 Hammond Ave Elkhart Ind
Kirk & Blum Mfg Co 3120 Forrer St Cincinnati 9 Ohio
Parish Pressed Steel Div of Dana Corp Robeson & Weiser Sts Reading Pa

RAMPS, Truck Loading

Adjust-A-Dock—See Rowe Methods Inc
Adjust-A-Truck—See Rowe Methods Inc
Brooks & Perkins Inc 1950 W Fort St Detroit 16 Mich (Dockboards)
Bustin Steel Products Inc Dover N J "Bustin Firm Grip"
Cemco Industries Inc Galion Ohio (Hydraulic)
Globe Hoist Co E Mermaid Lane & Queen St Philadelphia 18 Pa (Hydraulic and dock leveling)
Hamilton Tool Co Ninth & Hanover Sts Hamilton Ohio "Portelvator"
Herco—See Karl A Herman Co
Herman Co Karl A 412 Fuller St N E Grand Rapids Mich "Herco" (4 way adjustable)
Leva-Docks—See Rotary Lift Co
Loomis Machine Co 133 E Fourth St Clare Mich "Rite-Hite" (Adjustable)
Magcoa—See Magnesium Co of America
Magline Inc 952 Murray Rd Pinconning Mich "Magliner" (Dockboards and mobile ramps)
Magnesium Co of America 5222 Indianapolis Blvd East Chicago Ind "Magcoa"
Make-It-Evener—See Revolvator Co
Portelvator—See Hamilton Tool Co
Raymond Corp 151 Madison St Greene N Y
Revolvator Co 2026 86th St North Bergen N J "Make-It-Evener" (Hydraulic)
Rite-Hite—See Loomis Machine Co
Rotary Lift Co 1054 Kansas St Memphis 2 Ten "Leva-Docks"
Rowe Methods Inc 2534 Detroit Ave Cleveland 13 Ohio "Adjust-A-Dock" "Adjust-A-Truck" (Electric hydraulic)

RASPS—See Files and Rasps

RAYON YARN—See Yarn, Rayon

REAMERS, Chucking—See Reamers, Machine

REAMERS, Cylinder—See Reamers and Jigs, Cylinder

REAMERS, Machine

Barber-Colman Co., 1300 Rock St., Rockford, Ill.
Besly-Welles Corp 20 N Wacker Drive Chicago 6 Ill
Cleveland Twist Drill Co., 1242 E. 49th St., Cleveland 14, Ohio
Gairing Tool Co 21221 Hoover Rd Detroit 32 Mich
Gammons-Hoaglund Co., 395 Main St., Manchester, Conn.
Goddard & Goddard Co 12280 Burt Rd Detroit 23 Mich
Illinite—See Illinois Tool Works
Illinois Tool Works 2501 N Keeler Ave Chicago Ill "Illinite"
Jarvis Corp Middletown Conn
Lee Co., K. O., Congress at First Ave., S. E., Aberdeen S D (Expansion)
Lempco Products, Inc., 5490 Dunham Rd., Bedford, Ohio.
McCrosky Tool Corp., S. Main St., Meadville, Pa. "Super."
Morse Twist Drill & Machine Co 163 Pleasant St New Bedford Mass
National Twist Drill & Tool Co., Rochester, Mich.
Pratt & Whitney Co Charter Oak Blvd West Hartford 1 Conn
Reasor Mfg. Co., 13th & Indiana Ave., St. Charles, Ill.
Reiff & Nestor Co., Lykens, Pa.
Reltool Corp 4540 W Burnham St Milwaukee 46 Wis
Shield Brand—See Standard Tool Co
Standard Tool Co 3950 Chester Ave Cleveland 14 Ohio "Shield Brand"
Super—See McCrosky Tool Corp.
Supeream—See Twentieth Century Mfg Co
Twentieth Century Mfg Co Route 176 & Bradley Rd Libertyville Ill "Supeream"
U S—See United States Electrical Tool Co
United States Electrical Tool Co 3620 Llewelyn St Cincinnati 23 Ohio "U S"

REAMERS, Portable Electric

Chicago Pneumatic Tool Co 6 E 44th St N Y 17 N Y "CP"
Ingersoll-Rand Co 11 Broadway New York 4 N Y

REAMERS, Portable Pneumatic

Buckeye Tools Corp 5005 Springboro Pike Dayton 9 Ohio
Chicago Pneumatic Tool Co 6 E 44th St N Y 17 N Y "CP"
Ingersoll-Rand Co 11 Broadway New York 4 N Y

REAMERS, POWER DRIVE—See Reamers, Machine

REAMERS (Solid, Expansion and Adjustable)

Arrow Tool & Reamer Co 711 Stephenson Highway Troy Mich (Solid)
Avildsen Inc 322 S Green St Chicago Ill
Barber-Colman Co., 1300 Rock St., Rockford, Ill. (Solid and adjustable.)
Beard Tool Co., L. O., Andrew & Mill Sts., Lancaster Pa (Solid and adjustable)
Besly-Welles Corp 20 N Wacker Drive Chicago 6 Ill
Blackhawk—See New Britain Machine Co
Blue-Point—See Snap-On Tools Corp
Butterfield—See Union Twist Drill Co Butterfield Div
C & T—See Chadwick & Trefethen.
Chadwick & Trefethen, 32 Bow St., Portsmouth, N. H. "Critchley." "C & T."
Chicago-Latrobe 426 W Ontario St Chicago 10 Ill (Expansion)
Cleveland Twist Drill Co., 1242 E. 49th St., Cleveland 14, Ohio. "Quick-Set." "Peerless." "Spirex."
Cornwell Quality Tools Co Magadore Ohio
Critchley—See Chadwick & Trefethen
Do All Co 254 N Laurel Ave Des Plaines Ill (Solid and expansion)
GTD-Ampco—See Greenfield Tap & Die Div
Gairing Tool Co 21221 Hoover Rd Detroit 32 Mich (Expansion)
Goddard & Goddard Co., 12280 Burt Rd., Detroit 23, Mich.
Greenfield Tap & Die Div United-Greenfield Corp Sanderson St Greenfield Mass "GTD-Ampco" (Solid and expansion)
Heller Tool Co Heller Dr Newcomerstown Ohio (Chucking)
Hercules—See Whitman & Barnes Div
Hill Nut Co 2620 W Flourney St Chicago 12 Ill
Jarvis Corp Middletown Conn (Solid)
KRW—See K R Wilson Inc
Keystone Reamer & Tool Co., Millersburg, Pa.
Lee Co K O Congress at First Ave S E Aberdeen S D (Expansion)
Lempco Products Inc 5490 Durham Rd Bedford Ohio (Adjustable)
McCrosky Tool Corp., S. Main St., Meadville, Pa. "Super." (Adjustable.)
Madison Industries Inc P O Box 1137 Providence 1 R I (Adjustable)
Martindale Electric Co., 1340 Hird Ave. Cleveland 7, Ohio
Morse Twist Drill & Machine Co 163 Pleasant St New Bedford Mass (Adjustable)
National Machine & Tool Co., 4077 Page Ave., Jackson, Mich.
National Twist Drill & Tool Co., Rochester, Mich. (Solid.)
New Britain Machine Co Hand Tool Div South St New Britain Conn "Blackhawk" & "New Britain"

REAMERS (Solid, Expansion and Adjustable)—continued

O K Tool Co Milford N H (Adjustable)
Peerless—See Cleveland Twist Drill Co.
Pratt & Whitney Co Charter Oak Blvd West Hartford 1 Conn
Production Tool Co. of America, 6474 Le Grand Ave., Detroit 11, Mich.
Quick-Set—See Cleveland Twist Drill Co.
Reasor Mfg Co 13th & Indiana Ave St Charles Ill (Expansion; also solid valve guide)
Reiff & Nestor Co., Lykens, Pa.
Reltool Corp 4540 W Burnham St Milwaukee 46 Wis
Shearcut Tool Co 7045 Darby Ave Reseda Calif "Shearcutter"
Shield Brand—See Standard Tool Co.
Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis. "Blue Point."
Spirex—See Cleveland Twist Drill Co.
Standard Tool Co 3950 Chester Ave Cleveland 14 Ohio "Shield Brand"
Staples Tool Co 2352 Glendale-Milford Rd Cincinnati 15 Ohio
Super—See Micrometer Tool Corp.
T-J—See Tomkins-Johnson Co
Tomkins-Johnson Co 2425 W Michigan Ave Jackson Mich "T-J" (Solid with interchangeable heads)
Union Twist Drill Co Monroe St Athol Mass
Union Twist Drill Co Butterfield Div Derby Line Vt "Butterfield" (Solid and expansion)
Vaco Products Co 317 E Ontario St Chicago 11 Ill
Vermont Tap & Die Corp Main & Grove Sts Lyndonville Vt (Solid)
W-S—See Wendt-Sonis Co
Watervliet Tool Co 1346 Broadway Albany 4 N Y
Waukesha Cutting Tools Inc Midland & Pearl Sts Waukesha Wis
Wendt-Sonis Co., Hannibal, Mo. "W-S." (Solid carbide tipped.)
Wesson Co 12200 Woodward Heights Blvd Ferndale 20 Mich (Solid)
Wetmore Reamer Co., 420 N. 27th St., Milwaukee 8 Wis (Adjustable.)
Whitman & Barnes Div of United Greenfield Corp 4085 Plymouth Rd Plymouth Mich "Hercules" (Solid and expansion)
Wickman Mfg Co 10325 Capitol Ave Oak Park Detroit 37 Mich "Wickman-Brown" (Adjustable floating)
Willey's Carbide Tool Co., 1340 W. Vernor Highway, Detroit 1 Mich.
Wilson Inc K R Arcade N Y "KRW"
Zoerman-Clark Mfg Co 624 N Mechanic St Jackson Mich

REAMERS and JIGS, Cylinder

Wetmore Reamer Co 420 N 27th St Milwaukee 8 Wis (Reamers)

REAMING BUSHINGS—See Bushings, Jig

RECIPROCATING TOOLS, FLEXIBLE SHAFT—See Tools, Reciprocating (Flexible Shaft)

RECLAIMERS, Cutting Oil

American Machine & Metals Inc Tolhurst Centrifugal Div East Moline Ill "Tolhurst"
Barnes Drill Co 826 Chestnut St Rockford Ill
Barrett Co Leon J 1477 Grafton St Worcester Mass "Barrett" "Grafton" (Centrifugal)
Grafton—See Leon J Barrett Co
Hilco—See Hilliard Corp.
Hilliard Corp., 113 W. Fourth St., Elmira, N Y "Hilco."
Hoffman—See United States Hoffman Machinery Corp
Link-Belt Co Dept 59-AIPG Prudential Plaza Chicago 1 Ill "Teco"
Teco—See Link-Belt Co
Tolhurst—See American Machine & Metals Inc
United States Hoffman Machinery Corp Industrial Filtration Div 103 Fourth Ave N Y 3 N Y "Hoffman"

RECORDERS, Production (Machinery)

Bristol Co Waterbury 20 Conn
Service Recorder Co 1013 Rockwell Ave Cleveland 14 Ohio "Service Recorder"

RECORDERS, Vehicle Movement

(For recording time vehicle is used) (See also Meters, Engine Hour (Truck)

Engler Instrument Co 250 Culver Ave Jersey City 5 N J
Sangamo Electric Co Converse & N 10th Sts Springfield Ill "Sangamo Tachograph"
Service Recorder Co 1013 Rockwell Ave Cleveland 14 Ohio "Servis"
Servis—See Service Recorder Co
United States Taximeter Co., 614 W. 54th St., New York 19, N. Y. "Ustclock," "Ustocograph," "Ustcometers."
Ustclock—See United States Taximeter Co.
Ustcograph—See United States Taximeter Co.
Ustcometers—See United States Taximeter Co.

RECORDING SYSTEMS (Oscillographic)—See Systems, Recording (Oscillographic)

RECTIFIERS, AC-DC Charging System (Auto)

Delco-Remy Div General Motors Corp 2401 Columbus Ave Anderson Ind
Leece-Neville Co 1374 E 51st St Cleveland 3 Ohio

RECTIFIERS, OIL—See Filters, Oil (For Attaching to Engine)

REDUCERS, Speed

Abart Gear & Machine Co 4832 W 16th St Chicago 50 Ill
American Pulley Co., 4200 Wissahickon Ave., Philadelphia 29, Pa. "Shaft-King."
Boston Gear Works, Div. Murray Corp., 14 Hayward St., Quincy 71, Mass "Reductor"
Brad Foote Gear Works Inc 1309 S Cicero Ave Cicero 50 Ill
Braden Winch Div of Motor Products Corp Box 547 Broken Arrow Okla
Brady Conveyors Corp 4244 Dempster St Skokie Ill
Cleveland Worm & Gear Co 3274 E 80th St Cleveland 40 Ohio "Cleveland" "Speedaire"
Cone Drive—See Michigan Tool Co., Cone Drive Div
Cotta Transmission Co 2340 11th St Rockford Ill
Cy-lent—See Timing Gears Corp
Dodge Mfg Corp 500 Main St Mishawaka Ind "Torque-Arm"
Eberhard-Denver—See Morse Chain Co
Electric Motor Corp Div of Howard Industries Inc 1760 State St Racine Wis
Fairbanks Morse & Co 600 S Michigan Ave Chicago 5 Ill
Falk Corp 3001 W Canal St Milwaukee Wis
Farrel-Birmingham Co 97 Main St Ansonia Conn
Federal Seal & Gear Corp 522 N Krueger St Kendallville Ind
Foote Bros Gear & Machine Corp 4545 S Western Blvd Chicago 9 Ill "Line-O-Power" "Hygrade" "Maxipower"; "Vari-Mount" (Variable)
General Electric Co Apparatus Sales Div 1 River Rd Schenectady 5 N Y
Hygrade—See Foote Bros Gear & Machine Corp
Jones Machinery Div Hewitt-Robins Inc 4401 Roosevelt Rd Chicago 24 Ill
Lee Co., K. O., Congress at First Ave., S. E., Aberdeen, S. D.
Lima Electric Motor Co Findlay Rd Lima Ohio
Line-O-Power—See Foote Bros Gear & Machine Corp
Link-Belt Co Dept 59-AIPG Prudential Plaza Chicago 1 Ill
Lovejoy Flexible Coupling Co 5000 W Lake St Chicago 44 Ill
Maxipower—See Foote Bros Gear & Machine Corp
Michigan Tool Co., Cone Drive Div., 7171 McNichols Rd., E. Detroit 12, Mich. "Cone-Drive."
Morse Chain Co Ithaca N Y "Eberhardt-Denver"
Multi-Mount—See Sterling Electric Motors Inc
Ohio Gear Co., 1333 E. 179th St., Cleveland 10, Ohio.
Philadelphia Gear Works, Erie Ave. & G St., Philadelphia 34, Pa.
Rampe Mfg Co 14915 Woodworth Ave Cleveland 10 Ohio
Reductors—See Boston Gear Works Div Murray Corp
Revco Inc 1900 Lyndale Ave S Minneapolis 5 Minn "Zero-Wax" (Variable)
Rockford Clutch Div Borg Warner Corp 1319 18th Ave Rockford Ill
Saco—See Stephens-Adamson Mfg. Co.
Shaft-King—See American Pulley Co
Stephens-Adamson Mfg. Co., 150 Ridgeway St., Aurora, Ill. "Saco."
Sterling Electric Motors Inc 5401 Telegraph Rd Los Angeles 22 Calif "MultiMount"
Timing Gears Corp 2801 W Fulton St Chicago 12 Ill "Cy-lent" (Worm gear)
Torque-Arm—See Dodge Mfg Corp
Tulsa Winch Div of Vickers Inc 815 E First St Tulsa 20 Okla
Vari-Mount—See Foote Bros Gear & Machine Co
Westinghouse Electric Corp Gearing Div Pittsburgh Pa
Winsmith Inc Eaton St Springville N Y
Zero-Wax—See Revco Inc

REELS, Coiled Stock (For Presses)

Littell Machine Co F J 4125 Ravenswood Ave Chicago 13 Ill
Sesco Inc 8881 Central Ave Detroit 4 Mich
Ses-Matic—See Special Engrg Service Inc
Special Engrg Service Inc 760 Wyoming Ave Dearborn Mich "Ses-Matic"
Tishken Products Co 13000 W Eight Mile Rd Detroit 37 Mich
U S Tool Co 255 N 18th St Ampere (East Orange) N J
Wittek Mfg Co 4305 W 24th Pl Chicago 23 Ill

REELS, Lamp (Automatic Extension)

Aero-Motive Mfg. Co., 1803 Alcott St., Kalamazoo 24, Mich. "Zoo."
Appleton Electric Co., 1701 Wellington Ave. Chicago 13, Ill. "Reelite."
Benjamin Reel Products Inc., 10700 Broadway, Cleveland 25, Ohio.
Black Mfg. Co., M., 300 N. Third St., Philadelphia 6, Pa. "Reelectric."
Cordomatic Div of Vacuum Cleaner Corp of America 1724 W Indiana Ave Philadelphia 32 Pa "Cordomatic"
Reelectric—See Black Mfg Co
Reelite—See Appleton Electric Co.
Zoo—See Aero-Motive Mfg. Co.

REFLECTORS, Safety

(For attaching to cars and trucks)

Alco—See Auto Lamp Mfg Co
Amesbury Metal Products Co., 39 Oakland St., Amesbury, Mass.
Anthes Force Oiler Co 20th St & Ave M Ft Madison Iowa
Arrow Safety Device Co., Mt. Holly, N. J. "Arrowlite."
Auto Lamp Mfg Co 2909 S Indiana Ave Chicago 9 Ill "Alco" (For trucks)
Bolser Corp., S. Main St., Cedar Falls, Iowa. (For trucks.)
Brown Co E C Canandaigua N Y "Hi-Beem"
Catseye—See Columbus Metal Products Co.
Cole Automotive Products Co P O Box 56 Alfred St Station Detroit 1 Mich. (For trucks, trailers and buses.)
Columbus Metal Products Co 1341 Norton Ave Columbus 8 Ohio "Catseye"
Dietz Co R E 225 Wilkinson St Syracuse 1 N Y (For trucks)
Do-Ray Lamp Co., 1458 S. Michigan Ave., Chicago 5, Ill. "Tiger Ey."
Electroline Mfg Co 2622 E 51st St Cleveland 4 Ohio
Glo-Brite—See Johnson Glass & Plastic Corp
Griffin Lamp Co Shelby Miss
Grote Mfg Co Lafayette & Grandview Aves Bellevue Ky
Guide Lamp Div General Motors Corp 25th St & Arrow Ave Anderson Ind
Gulotta Co Charles 81-20 Cooper Ave Glendale 27 NY
Hi-Beem—See E C Brown Co
Johnson Glass & Plastic Corp 5248 Elston Ave., Chicago 30, Ill. "Glo-Brite"
King Bee Mfg Co 2600 Washington Blvd Bellwood Ill
Miro-Flex Co 1824 E 2nd St Wichita 7 Kans
National—See Wheel Parts & Mfg Co
Norlipp Co., 5925 S. Lowe Ave., Chicago 21 Ill. (For trucks)
PMCO—See Peterson Mfg Co
Persons-Majestic Mfg. Co., 54 Commercial St., Worcester, Mass.
Peterson Mfg Co 2716 E 14th St Kansas City 27 Mo "PMCO" (For cars and trailers)
S & M Lamp Co 2369 E 51st St Los Angeles 54 Calif
Snow-Craggs Corp 5840 S Oakley Ave Chicago 36 Ill
Sparton Automotive Div of Sparton Corp Jackson Mich (Red and amber for trucks)
Speaker Corp J W 3059 N Weil St Milwaukee 12 Wis
Stimsonite Div of Elastic Stop Nut Corp of America 3445 N Kimball Ave Chicago 18 Ill
Tiger Ey—See Do-Ray Lamp Co
Wheel Parts & Mfg Co 352 Fourth Ave N Y 10 N Y "National" (Bus truck and trailer)
Yankee Metal Products Corp., 25 Grand St., Norwalk, Conn. (For trucks.)

REFRIGERANTS, Air Conditioning (Auto and Truck)

du Pont de Nemours & Co E I Organic Chemicals Dept Freon Products Div Wilmington 98 Del "Freon"
Eston Chemicals Div American Potash & Chemical Corp 3100 E 26th St Los Angeles 23 Calif "Charg-A-Can"
Freon—See E I du Pont de Nemours & Co
Pure Carbonic Co 150 E 42nd St N Y 1 N Y "Pureco" (Carbon dioxide dry ice for trucks)

REFRIGERATING UNITS, Truck and Trailer

Air Induction Corp 122 W 30th St New York 1 N Y
Aluminum Body Corp 1600 W Washington Blvd Montebello Calif
American Mfg Co P O Box 989 Montgomery 2 Ala "Arctic Traveler" (Gasoline hydraulic and electric driven)
Arctic Traveler—See American Mfg. Co.
Brunner Div Dunham-Bush Inc 179 South St West Hartford 10 Conn
Cel-Line—See Dole Refrigerating Co
Cold-Cel—See Dole Refrigerating Co
Coldmobile—See TropicAire-Coldmobile Div
Copeland Refrigerator Corp Short Clinton St Sidney Ohio
Dole Refrigerating Co 5962 N Pulaski Rd Chicago 46 Ill "Cel-Line" & "Truk-Cel" (Truck high temp; "Cold-Cel" low temp plates)
Foster-Bilt Bunkers Inc 1238 W Harrison St Chicago 7 Ill (Dry ice)
Frank-Dewey Co 12334 Stark Rd Livonia Mich "Rovan" (Electric)
General Electric Co Apparatus Sales Div 1 River Rd Schenectady 5 N Y
Hunter Mfg Co 30525 Aurora Rd Solon Ohio "Hunter Cargo Cooler" (Mechanical)
Keco Industries Inc 2438 Beekman St Cincinnati 14 Ohio (Trailer)
Kold Hold Div of Tranter Mfg Inc 620 E Hazel St Lansing 4 Mich "Kold-Hold" "Kold Trux"
Lehigh Mfg Co Div of Lehigh Inc Lehigh Dr Easton Pa "Lehigh Blu-Cold"
Meyer Body Co., 218 Elm St., Buffalo 3, N. Y.
Rovan—See Frank-Dewey Co
Sumner Industries Inc 135 S Frederick Ave Oelwein Iowa "Tru Kooler"
Tecumseh Products Co., Tecumseh, Mich.
Thermo King Corp 314 W 90th St Minneapolis 20 Minn
Theurer Wagon Works, Inc., 601 W. 56th St New York 19 N Y
TropicAire-Coldmobile Div McGraw Edison Co 5201 W 65th St Chicago 38 Ill "Coldmobile" "TropicAire" "TropicAire-Coldmobile"
Truk-Cel—See Dole Refrigerating Co
Tru Kooler—See Sumner Industries Inc

REFRIGERATION COMPRESSORS—See Compressors, Refrigeration (Auto)

REFRIGERATION CONTROLS—See Controls, Refrigeration

REGULATORS, ADAPTERS, and VAPORIZERS, LP-GAS

(See also Carburetors, Butane, Propane & LP-Gas)

Algas—See American Liquid Gas Corp
American Liquid Gas Corp 1109 Santa Fe Ave Los Angeles 21 Calif "Algas" (Regulator)
Beam Products Mfg Co 3040 Rosslyn St Los Angeles 65 Calif
Ensign Carburetor Co 1551 E Orangethorpe Ave Fullerton Calif
J & S Carburetor Co 2634 N Beckley St Dallas 2 Tex
Marvel-Schebler Products Div Borg-Warner Corp Decatur Ill (Regulators and adaptors)
Zenith Carburetor Div of Bendix Aviation Corp 696 Hart Ave Detroit 14 Mich

REGULATORS, Air Pressure

Aro Equipment Corp Bryan Ohio
Cleco Div of Reed Roller Bit Co 5125 Clinton Dr Houston 1 Texas
Crown—See Hannifin Co
Diatrol—See Wilkerson Corp
Gardner-Denver Co S Front St Quincy Ill
Gov-N-Air—See Wilkerson Corp
Hanna Engrg Works 1765 Elston Ave Chicago 22 Ill
Hannifin Co 543 S Wolf Rd Des Plaines Ill **"Crown"**
Modernair Corp 400 Freas St San Leandro Calif
Norgren Co C A 3400 S Elati St Englewood Colo
Pilotrol—See Wilkerson Corp
S-P Mfg Corp 30201 Aurora Rd Solon Ohio
Schrader's Son A Div of Scoville Mfg Co 470 Vanderbilt Ave Brooklyn 38 N Y
Wilkerson Corp 1601 W Girard Ave Englewood Colo "Diatrol" "Pilotrol" "Gov-N-Air"

REGULATORS, Fuel Pressure

AC Spark Plug The Electronics Div of General Motors 1300 N Dort Highway Flint 2 Mich "Acon-O-Mizer"
Acon-O-Mizer—See AC The Electronics Div
Alondra Sales Inc 959 Crenshaw Blvd Los Angeles 19 Calif "Filt-O-Reg"
Brisko's Mileage-Saver Inc Box 38 Ojibwa Wis
Engine Accessories Mfg Co 5801 E Beverly Blvd Los Angeles 22 Calif "Gane-Master"
Filt-O-Reg—See Alondra Sales Inc
Gane-Master—See Engine Accessories Mfg Co
Paceo—See Precision Automotive Components Co
Precision Automotive Components Co Manchester & Henry Sts Manchester Mo "Paceo"

REGULATORS, Furnace (Electric)

Bristol Co Waterbury 20 Conn
G-E—See General Electric Co
General Electric Co Apparatus Sales Div 1 River Rd Schenectady 5 N Y "G-E"
Leeds & Northrup Co., 4966 Stenton Ave., Philadelphia, Pa. "Micromax."
Micromax—See Leeds & Northrup Co.

REGULATORS, Generator Current and Voltage (Auto)

American Bosch Div American Bosch Arms Corp 3664 Main St Springfield 7 Mass
American Motor Products Co., Fond du Lac, Wis. "Ampco."
Ampco—See American Motor Products Co.
Arrow Armatures Co 15 Fordham Rd Boston 34 Mass
Auto-Lite—See Electric Auto-Lite Co
Blue Streak—See Standard Motor Products, Inc.
Cole-Hersee Co 20 Old Colony Ave Boston 27 Mass
Delco-Remy Div General Motors Corp 2401 Columbus Ave Anderson Ind
Djeco Div of Djordjevic Engrg Co 1933 N Damen St Chicago 47 Ill
Echlin Mfg Co U S Route 1 Branford Conn
Electra Mfg Co 4051 Broadway Kansas City Mo
Electric Auto-Lite Co Toledo 1 Ohio "Auto-Lite" (Voltage)
F & B Mfg Co 4248 W Chicago Ave Chicago 51 Ill "Fliko"
Fliko—See F. & B. Mfg. Co.
Freedco Products, Inc 36-08 33rd St Long Island City 6 N Y
Guaranteed Parts Co., Seneca Falls, N. Y.
Holley Carburetor Co 11955 E Nine Mile Rd Warren Mich (Voltage)
Illaco—See Illinois Accessories Co
Illinois Accessories Co 317 E Ontario St Chicago 11 Ill "Illaco"
International Products & Mfg Co 850 N Ogden Ave Chicago 22 Ill
K-S—See King-Seeley Corp
Kem Mfg Co 20-21 Wagaraw Rd Fair Lawn N J
King-Seeley Corp 315 S First St Ann Arbor Mich "K-S"
Leece-Neville Co 1374 E 51st St Cleveland 3 Ohio
M D Parts Mfg Co 5247 Coffman-Pico Rd Pico Calif
Machined Parts Corp 6209 Hamilton Ave Detroit 2 Mich "Mapco"
Mapco—See Machined Parts Corp.
National—See Wheel Parts & Mfg Co
National Ignition Mfg Co 521 W 23 St New York 11 N Y "Nimco"
Niehoff & Co., C. E., 4925 W. Lawrence Ave., Chicago 30, Ill.
Nimco—See National Ignition Mfg Co
Paragon Products Corp 140 Astor St Newark 5 N J "Vulcan" (Sole distributors Vulcan Motor Products Inc 1060 Broad St Newark 2 N J)
Preferred Electric & Wire Co., Bush Terminal Bldg. No. 8, Brooklyn 32, N. Y.
R-B-M Div., Essex Wire Corp., Chestnut & Hanna Sts., Logansport, Ind.
Shurhit Products Inc 845 S Market St Waukegan Ill
Sorenson Mfg Co P 32-31 57th St Woodside 77 N Y
Standard Motor Products Inc 37-18 Northern Blvd Long Island City L I N Y "Blue Streak"
Stan-Test Corp., 4630 W. Harrison St., Chicago 44, Ill.
Super Glo—See Wells Mfg Corp
Tasco Products Div of Guaranteed Parts Co Seneca Falls N Y
Valley Forge Products Inc 370 19th St Brooklyn 15 NY
Vulcan—See Paragon Products Corp
Wells Mfg Corp 12 S Brooke St Fond du Lac Wis "Super Glo" "Wells"
Wheel Parts & Mfg Co 352 Fourth Ave N Y 10 N Y "National"

REGULATORS, Humidity

Bristol Co Waterbury 20 Conn
Minneapolis-Honeywell Regulator Co Industrial Div Wayne & Windrim Aves Philadelphia 44 Pa
Powers Regulator Co 3400 Oakton St Skokie Ill
Weston Instruments Div of Daystrom Inc 614 Frelinghuysen Ave Newark 12 N J

REGULATORS, Oil Temperature (Engine)

G & O Mfg. Co., 138 Winchester Ave., New Haven, Conn.
Harrison Radiator Div General Motors Corp Washburn & Walnut Sts Lockport N Y
Powers Regulator Co 3400 Oakton St Skokie Ill
Yates-American Machine Co Beloit Wis
Young Radiator Co., 409 S. Marquette St., Racine, Wis.

REGULATORS, SEAT—See Adjusters, Driver's Seat

REGULATORS, Speed (Electric Motor)

G-E—See General Electric Co
General Electric Co Apparatus Sales Div 1 River Rd Schenectady 5 N Y "G-E"

REGULATORS, Temperature

American—See Manning, Maxwell & Moore Inc
Barber-Colman Co 1300 Rock St Rockford Ill
Bristol Co Waterbury 20 Conn
Cenco—See Central Scientific Co.
Central Scientific Co 1700 Irving Park Road Chicago 13 Ill "Cenco"
Electronic Control Corp 1573 E Forest St Detroit 7 Mich (Photo-electric)
Fulton Sylphon Div Robertshaw-Fulton Controls Co W Cumberland Ave Knoxville 1 Tenn "Sylphon"
G-E—See General Electric Co
General Electric Co Apparatus Sales Div 1 River Rd Schenectady 5 N Y "G-E"
Johnston Mfg. Co., 2825 E. Hennepin Ave., Minneapolis, Minn.
Leeds & Northrup Co., 4966 Stenton Ave., Philadelphia, Pa. "Micromax."
Manning Maxwell & Moore Inc Consolidated Ashcroft Hancock Div Stratford Conn "American"
Micromax—See Leeds & Northrup Co.
Powers Regulator Co 3400 Oakton St Skokie Ill
R-K—See Ruggles-Klingemann Mfg Co
Ruggles-Klingemann Mfg. Co., Foster Court, Salem, Mass. "R-K."
Sarco Co 635 Madison Ave New York 22 N Y
Sylphon—See Fulton Sylphon Div., Robertshaw-Fulton Controls Co.
Taylor Instrument Companies, 95 Ames St., Rochester 1, N. Y.
Weston Instruments Div of Daystrom Inc 614 Frelinghuysen Ave Newark 12 N J

REGULATORS, Top

Huppower Div Hupp Corp 7450 Melville St Detroit 17 Mich (Electric)
Jacobs Co F L 1043 Spruce St Detroit 32 Mich (Electric)

REGULATORS, WATER CIRCULATING—See Thermostats, Water Circulating

REGULATORS, Window

Ainsworth-Precision Castings Co Div of Harsco Corp 3200 Guardian Bldg Detroit 26 Mich (To order)
Dura Co Dura Div 500 Detroit Ave Toledo 12 Ohio (Manual and automatic)
Electric Auto-Lite Co Toledo 1 Ohio
Ferro Stamping Co 1367 Franklin St Detroit 7 Mich (Manual and electric)
Hancock Mfg Co 225 N Horton St Jackson Mich

REGULATORS, Window—continued

Hansen Mfg. Co., A. L., 5037 Ravenswood Ave., Chicago 40, Ill. (Commercial body.)
Huppower Div Hupp Corp 7450 Melville St Detroit 17 Mich (Electric and manual)
Jacobs Co., F. L., 1043 Spruce St., Detroit 1, Mich. (Electric.)
Lift-O-Matic—See Trico Products Corp.
Preferred Electric & Wire Co Bush Terminal Bldg #8 Brooklyn 32 N Y
Regal Motor Products Corp 6225 Grand River Ave Detroit 8 Mich
Standard Products Co 2130 W 110th St Cleveland 2 Ohio
Trico Products Corp., 817 Washington St., Buffalo 3, N. Y. "Lift-O-Matic," "Vent-O-Matic." (Vacuum operated)
Vent-O-Matic—See Trico Products Corp
Young Windows Inc 810 Biddle Ave Rear Ardmore Pa (Crankless)

RELAYS, Horn and Light

American Motor Products Co., Fond du Lac, Wis.
Blue Streak—See Standard Motor Products, Inc.
Delco-Remy Div General Motors Corp 2401 Columbus Ave Anderson Ind
Echlin Mfg Co U S Route 1 Branford Conn
F & B Mfg Co 4248 W Chicago Ave Chicago 51 Ill "Filko"
Filko—See F & B Mfg. Co.
Freedco Products Inc 36-08 33rd St Long Island City 6 N Y
Guaranteed Parts Co., Seneca Falls, N. Y.
Jubilee Mfg Co 1929 S 20th St Omaha 9 Neb (Horn)
Kem Mfg Co 20 Wagaraw Rd Fair Lawn N J
M D Parts Mfg Co 5247 Coffman-Pico Rd Pico Calif
Machined Parts Corp., 6209 Hamilton Ave., Detroit 2, Mich. "Mapco."
Mapco—See Machined Parts Corp.
National—See Wheel Parts & Mfg Co
New York Coil Co 42 Second Ave Phoenixville Pa "Nyco"
Niehoff & Co., C. E., 4925 W. Lawrence Ave., Chicago 30, Ill.
Nyco—See New York Coil Co
Paragon Products Corp 140 Astor St Newark 5 N J "Vulcan" (Sole distributors Vulcan Motor Products Inc 1060 Broad St Newark 2 N J)
Pollak Corp Joseph 75 Freeport St Boston 22 Mass (Horn)
Preferred Electric & Wire Co., Bush Terminal Bldg. No. 8, Brooklyn 32, N. Y.
R-B-M Div., Essex Wire Corp., Chestnut & Hanna Sts., Loganport, Ind.
Sorensen Mfg Co P 32-31 57th St Woodside 77 N Y
Sparton Automotive Div of Sparton Corp Jackson Mich (Horn)
Standard Motor Products Inc 37-18 Northern Blvd Long Island City 1 L I N Y "Blue Streak"
Stan-Test Corp 4630 W Harrison St Chicago 44 Ill
Tasco Products Div of Guaranteed Parts Co Seneca Falls N Y
Valley Forge Products Inc 370 19th St Brooklyn 15 N Y
Vulcan—See Paragon Products Corp
Wells Mfg Corp 12 S Brooke St Fond du Lac Wis
Wheel Parts & Mfg Co 352 Fourth Ave N Y 10 N Y "National"

RELAYS, Overload (Adjustable)

Assembly Products Inc 75 Wilson Mill Rd Chesterland 80 Ohio

RELAYS, Switching

Potter & Brunfield Inc Princeton Ind

REMOVERS, OIL AND GREASE—See Solvents, Oil and Grease Removing

RESINS, MOLDED AND CAST — See under PLASTICS

RESINS, Shell Molding (For Castings)

Reichhold Chemicals Inc RCI Bldg White Plains NY "Foundrez"

RESINS, Synthetic (For Bonding, Impregnating, Laminating and Protective Coating)

(See also Adhesives; also Rubber, Synthetic)

Acryloid—See Röhm & Haas Co
Amberlite—See Röhm & Haas Co
Amberol—See Röhm & Haas Co
American Cyanamid Co Plastics & Resins Div 30 Rockefeller Plaza New York N Y "Beetle" "Cycopol" "Cymel" "Cyzac" "Laminac" "Melurac" "Rezyl" "Urac"
Araldite—See Ciba Products Corp
Bakelite—See Union Carbide Plastics Co.
Beckosol—See Reichhold Chemicals Inc
Beetle—See American Cyanamid Co
Borden Chemical Co Div of Borden Co 350 Madison Ave N Y 17 N Y "Durite" (For bonding brake lining and clutch facings)
Ciba Products Corp Fair Lawn N J "Araldite"
Cycopol—See American Cyanamid Co.
Cymel—See American Cyanamid Co
Cyzac—See American Cyanamid Co
Dow Chemical Co Midland Mich (Epoxy)
Dow Corning Corp Midland Mich (Silicone bonding, impregnating and laminating)
Duraplex—See Röhm & Haas Co
Durez Plastics Div Hooker Chemical Corp 1910 Walck Rd North Tonawanda N Y "Durez"; "Hetron" (Fire resistant for laminating and molded parts)
Durite—See Borden Chemical Co
Glidden Co 900 Union Commerce Bldg Cleveland 14 Ohio
Goodyear Tire & Rubber Co Chemical Div E Market St Akron 16 Ohio "Pliobond" "Pliolite" "PlioTuf"
Hetron—See Durez Plastics Div
Kish Industries Inc 1301 N Turner St Lansing 6 Mich (Epoxy)
Laminac—See American Cyanamid Co
Melurac—See American Cyanamid Co
Minnesota Mining & Mfg Co 900 Fauquier St St Paul 6 Minn "3-M"
Monsanto Chemical Co Plastics Div Springfield 2 Mass "Resinox," "Resimene," "Opalon"
National Adhesives Div. of National Starch Products Inc., 270 Madison Ave., New York 16, N. Y. "Resyn."
Naugatuck Chemical Div of U S Rubber Co 523 Elm St Naugatuck Conn "Vibrin" (Polyester resin for laminating)
Opalon—See Monsanto Chemical Co Plastic Div
Paraplex—See Rohm & Haas Co
Permafuse Corp 675 Main St Westbury N Y
Plaskon—See Plastics & Resins Sales
Plastics & Resins Sales Plastics & Coal Chemicals Div Allied Chemical Corp 40 Rector St N Y 6 N Y "Plaskon"
Pliobond—See Goodyear Tire & Rubber Co.
Pliolite—See Goodyear Tire & Rubber Co.
PlioTuf—See Goodyear Tire & Rubber Co
Plyophen—See Reichhold Chemicals Inc
Raybestos Div of Raybestos-Manhattan Inc 75 E Main St Stratford 2 Conn
Reichhold Chemicals Inc RCI Bldg White Plains NY "Polyphen" "Beckosol"
Resimene—See Monsanto Chemical Co
Resinox—See Monsanto Chemical Co Plastics Div
Resyn—See National Adhesives Div. of National Starch Products, Inc.
Rezolin Inc 1651 18th St Santa Monica Calif
Rezyl—See American Cyanamid Co.
Röhm & Haas Co 222 W Washington Sq Phila 5 Pa ("Acryloid" "Amberol" "Duraplex" "Paraplex" "Uformite" Protective coating; "Amberlite" "Uformite" plywood bonding)
Schenectady Varnish Co Congress & Ninth Sts Schenectady 1 N Y
Silicones Div Union Carbide Corp 30 E 42nd St N Y 17 N Y "Union Carbide"
3-M—See Minnesota Mining & Mfg. Co.
UBS Chemical Corp 491 Main St Cambridge Mass "Ubatol"
Ubatol—See UBS Chemical Corp
Uformite—See Röhm & Haas Co
Union Carbide — See Silicones Div Union Carbide Corp
Union Carbide Plastics Co Div of Union Carbide Corp 30 E 42nd St N Y 17 N Y "Bakelite"
Urac—See American Cyanamid Co
Vibrin—See Naugatuck Chemical Div

RESISTORS, Ignition

Carter Parts Co 3401 W Madison St Skokie Ill
D S M Electric Co 6209 John Lodge Expressway Detroit 2 Mich
Delco-Remy Div General Motors Corp 2401 Columbus Ave Anderson Ind
Mallory & Co P R 3029 E Washington St Indianapolis 6 Ind
Preferred Electric & Wire Co Bush Terminal Bldg #8 Brooklyn 32 N Y

RESTS, Arm

Arvey Corp., 6401 E. Nevada Ave., Detroit 34, Mich. "Arveyware."
Automotive Industries Inc Owendale Mich
Davidson Rubber Co 50 Brighton St Boston 29 Mass
Goodrich Sponge Products B F Howe Ave Shelton Conn "Texfoam"
Sponge Aire Seat Co., 166 Chandler St., Buffalo 7, N. Y. (Sponge rubber.)
Texfoam—See B F Goodrich Sponge Products

RETAINERS, Ball

Aetna Ball & Roller Bearing Co Div of Parkersburg-Aetna Corp 4600 Schubert Ave Chicago 39 Ill
Crosby Co 183 Pratt St Buffalo 5 N Y
Hartford Steel Ball Co Drawer "Q" Sta A Hartford 6 Conn
National Bearing Co., 637 Lancaster Ave., Lancaster, Pa.
Nice Ball Bearing Co., 30th St. & Hunting Park Ave., Philadelphia 40, Pa.

RETAINERS, Headlining

Randall Co., 5000 Spring Grove Ave., Cincinnati 32, Ohio.

RETAINERS, Nut

Tinnerman Products Inc 8700 Brookpart Rd Cleveland Ohio "Speed Grips"

RETAINERS, OIL AND GREASE—See Rings and Seals, Oil and Grease Retaining

RETAINERS, Rod

Palnut Co 5-a Glen Rd Mountainside N J "Pushnut"

RETAINERS, Valve Spring

Bull Dog—See Jambor Tool & Stamping Co.
Chicago Screw Co Div of Standard Screw Co 2701 Washington Blvd Bellwood Ill
Ertel Products Co Repl Div of Ertel Mfg Corp 1402 E 20th St Indianapolis 7 Ind
Jambor Tool & Stamping Co., 3057 N. 30th St., Milwaukee 10, Wis. "Bull Dog."
Thompson Products Valve Div Thompson-Ramo-Wooldridge Inc 1455 E 185th St Cleveland 10 Ohio
Toledo Steel Products Div of Thompson-Ramo-Wooldridge Inc 6402 Cedar Rd Cleveland 3 Ohio

RETARDERS, Hydraulic (Truck and Bus)

Parkersburg Rig & Reel Co Parkersburg W Va
Thompson Products Michigan Div Thompson-Ramo-Wooldridge Inc 31201 Van Dyke Ave Warren Mich

REVOLUTION COUNTERS—See Counters, Revolution (Machinery)

RIMS, Wheel (Truck and Bus)

Cleveland Welding Div American Machine & Fdry Co W 117th St & Berea Rd Cleveland 11 Ohio "Cleve-Weld" (Truck tractor and trailer)
Cleve-Weld—See Cleveland Welding Div
Firestone Steel Products Co 1600 Firestone Parkway Akron 1 Ohio (Truck and bus)
Goodyear Tire & Rubber Co., E. Market St. Akron 16, Ohio. (Bus and truck.)
Kelsey-Hayes Co., 3600 Military Ave Detroit 32, Mich.
Motor Wheel Corp 735 E Saginaw St Lansing 3 Mich

RING GAGES—See Gages, Plug and Ring

RING GEARS—See Gears, Flywheel Ring; also Gears and Pinions, Rear Axle

RINGS, Piston

Ace Products Co 1320 N 12th St Toledo 1 Ohio "Welco"
American Hammered Automotive Replacement Div of Sealed Power Corp 2001 Sanford St Muskegon Mich
American Hammered — See Koppers Co Metal Products Div
Burd Piston Ring Co Box 567 Eau Claire Wis "Burd Graf-Flox" (Automotive and industrial)
Cord Piston Ring Mfg Co 1351 S Olive St Los Angeles 15 Calif
Gill Piston Ring Co 2645 S State St Chicago 16 Ill
Gilpak Automotive Products Div Packer Auto Parts Inc Roselle N J
HT-100—See Wausau Motor Parts Co
Hastings Mfg Co N Hanover St Hastings Mich
Hico—See Lion Auto Parts & Mfg. Co.
International Parts Corp 4101 W 42nd Pl Chicago 32 Ill

Koppers Co Metal Products Div 200 Scott St Baltimore 3 Md "American Hammered" (Industrial)
Leak Proof—See McQuay-Norris Mfg Co
Lion Auto Parts & Mfg Co 1920 S Michigan Ave Chicago 16 Ill "Hico"
Luthy Co F A 302 Cooper St Jackson Mich
McQuay-Norris Mfg Co 2320 Marconi St St Louis 10 Mo "Leak Proof"
Monotized OilSavr—See Wausau Motor Parts Co
Moog Industries Inc 6565 Wells Ave St Louis 33 Mo
Muskegon Piston Ring Co Muskegon Div Sixth & Alpha Sts Muskegon Mich
Non-Breakable—See Steel-Bronze Sealing Rings Co
Oil Savr—See Wausau Motor Parts Co
Pacific Piston Ring Co., 1410 S. Los Angeles St., Los Angeles 15, Calif.
Pedrick—See Wilkening Mfg. Co.
Perfect Circle Corp., 552 S. Washington St., Hagerstown, Ind
Republic Engrg & Mfg Co 6565 Wells Ave St Louis 14 Mo
Richmond Ring Co., Souderton, Pa.
Sealed Power Corp 2001 Sanford St Muskegon Heights Mich
Simplex Piston Ring Mfg Co 12301 Bennington Ave Cleveland 11 Ohio
Steel-Bronze Sealing Rings Co 540 S Meridian St Indianapolis 25 Ind "Non-Breakable"
Superior—See White Machine Works.
Super Portoil—See Wausau Motor Parts Co
Super Sav-Oil—See Wausau Motor Parts Co
Superior Piston Ring Co 6425 Epworth Blvd Detroit 10 Mich
T-Flex—See Thompson Products Ramco Div
Thompson Products Ramco Div Thompson-Ramo-Wooldridge Inc P O Box 513 St Louis 66 Mo "U-Flex" "T-Flex" "Z-Flex"
U-Flex—See Thompson Products Ramco Div
Wausau Motor Parts Co P O Box 318 Schofield Wis "Wausau" "Super Sav-Oil" "Oil Savr" "Super Portoil" "XX Super Portoil" "HT-100" "Monotized OilSavr"
Welco—See Ace Products Co
White Machine Works, 1401 Bellevue Ave., Eau Claire, Wis. "Superior."
Wilkening Mfg Co 2000 S 71st St Philadelphia 42 Pa "Pedrick"
XX Super Portoil—See Wausau Motor Parts Co.
Z-Flex—See Thompson Products Ramco Div

RINGS, Piston (Castings for Same)

Campbell Wyant & Cannon Foundry Co Muskegon Mich
Sparta Foundry Co Div of Muskegon Piston Ring Co Sparta Mich "Spartaloy" (Gray iron)

RINGS, PUMP (OIL SEALING)—See Rings and Seals, Oil & Grease Retaining

RINGS, Retaining, Snap and Spacer

Automatic Spring Coiling Co 4045 W Thorndale Ave Chicago 46 Ill (Snap)
Bender Equipment Co J H 5430 Tweedy Blvd South Gate Calif
Burd Piston Ring Co Box 567 Eau Claire Wis "Graf-Flox"
Butcher & Hart Mfg Co 4601 Cortland Ave Altoona Pa (Steel)
Circolox—See Thompson Products Ramco Div
Cord Piston Ring Mfg Co 1351 S Olive St Los Angeles 15 Calif
Eaton Mfg Co Reliance Div 25 Charles Ave S E Massillon Ohio "Reliance"
Graf-Flox—See Burd Piston Ring Co
Industrial Retaining Ring Co 57 Cordier St Irvington 11 N J (Retaining)
National Lock Washer Co 40 Hermon St Newark 5 N J (Retaining)
Non-Breakable—See Steel-Bronze Sealing Rings Co
Perfect Circle Corp 552 S Washington St Hagerstown Ind (Spacer)
Perfect Equipment Corp 804 W Morgan St Kokomo Ind (Coil spacer)
Reliance—See Eaton Mfg. Co.
Spirolox—See Thompson Products Ramco Div
Standard Supply Co 5920 Bryant St Pittsburgh 6 Pa (Coil spring spacer)
Steel-Bronze Sealing Rings Co 540 S Meridian St Indianapolis 25 Ind "Non-Breakable"
Thompson Products Ramco Div Thompson-Ramo-Wooldridge Inc P O Box 513 St Louis 66 Mo "Circolox" "Spirolox" (Industrial retaining)
Truarc—See Waldes Kohinoor Inc
Waldes Kohinoor Inc 47-16 Austel Place Long Island City 1 N Y "Truarc" (Retaining)

RINGS, Wheel Trim

BF Port-A-Wall—See Bearfoot Airway Corp
Bearfoot Airway Corp First & Water Sts Wadsworth Ohio "Thrif-Trim" "Rim Trim" "Bearfoot Mark V" "BF Port-A-Wall" (White rubber)
Crown Wall—See Kraco Products Inc
Custom Wall—See Kraco Products Inc
Globe Rubber Products Corp 3333 N Lawrence St Philadelphia 40 Pa (White rubber)
Kraco Products Inc 2411 N Santa Fe Ave Compton Calif "Crown Wall" "Custom Wall" "Supreme Wall" (White rubber)
Lyon Inc 13881 W Chicago Blvd Detroit 28 Mich (Stainless steel; also white enameled)
Namsco Inc 333 31st Ave Bellwood Ill "National"
National—See Namsco Inc
Rim-Trim—See Bearfoot Airway Corp
Supreme Wall—See Kraco Products Inc
Thrif-Trim—See Bearfoot Airway Corp

RINGS AND SEALS, Oil and Grease Retaining

Acadia Div Western Felt Works 4115 Ogden Ave Chicago 23 Ill "Acadiaseal" (Synthetic rubber; "Acadia Resistofelt" synthetic rubber and felt)
Alco—See Alloy Mfg Co
Alloy Mfg Co 3207 S Shields Ave Chicago 16 Ill "Alco" "Alloy" "Quality Built"
Andrew Parts Mfg Co 32-70 31st St Long Island City 6 N Y
Aqua-Lite—See Schwitzer Corp
Atlas Asbestos Co 469 Walnut St North Wales Pa (Crankshaft rear bearing oil seals)
Booth Felt Co 1726 Tenth Ave Brooklyn 15 N Y (Felt)
Brummer Seal Co 1320 McKinley Ave Chicago Heights Ill (Water pump and rear main bearing oil seals)
Burgess Leather Co., A. E., Brigham Hill Rd., Grafton, Mass. "Grafton."
C-G—See Copeland-Gibson Products Corp.
C/R—See Chicago Rawhide Mfg Co
Cartriseal Corp 3515 W Touhy Ave Lincolnwood Ill
Chicago Rawhide Mfg Co 1301 Elston Ave Chicago 22 Ill "Perfect" "C/R"
Clipper—See Johns-Manville
Copeland-Gibson Products Corp 12950 Capital Ave Oak Park 37 Mich "C-G"
Crane Packing Co 6435 Oakton St Morton Grove Ill "John Crane"
Fastex Div of Illinois Tool Works 195 Algonquin Rd Des Plaines Ill "Plasti-Rings"
Fel-Pro—See Felt Products Mfg. Co
Felt Products Mfg. Co 7450 N McCormick Blvd Skokie Ill "Fel-Pro"
Fitzgerald Mfg. Co., 691 Main St., Torrington, Conn
Garlock Packing Co 402 Main St Palmyra N Y "Klozure"
Gits Bros Mfg Co 1846 S Kilbourn Ave Chicago 23 Ill
Grafton—See A. E. Burgess Leather Co.
Graphalloy—See Graphite Metallizing Corp.
Graphite Metallizing Corp 1083 Nepperhan Ave Yonkers 3 N Y "Graphalloy"
International Packing Corp Lake St Bristol N H
Jambor Tool & Stamping Co 3057 N 30th St Milwaukee 10 Wis
John Crane—See Crane Packing Co
Johns-Manville 22 E 40th St New York 16 N Y "Clipper"
Kickhaefer Mfg Co 903 S 2nd St Milwaukee 4 Wis
Klozure—See Garlock Packing Co
Krug Co North St Barnum Court Danbury Conn
McCord Corp Riopelle at E Grand Blvd Detroit 11 Mich
Michigan Leather Products Co., 6301 E. Lafayette St., Detroit 7, Mich. "Milpaco."
Milpaco—See Michigan Leather Products Co
Muskegon Piston Ring Co Muskegon Div Sixth & Alpha Sts Muskegon Mich
National Seal Div Federal-Mogul-Bower Bearings Inc Broadway at National Ave Redwood City Calif "National Syntech" "National Unitseal"
Non-Breakable—See Steel-Bronze Sealing Rings Co
Ohio Rubber Co 300 Ben Hur Ave Willoughby Ohio "Orco"
Orco—See Ohio Rubber Co
Perfect—See Chicago Rawhide Mfg Co
Plasti-Rings—See Fastex Div of Illinois Tool Works
Pure Carbon Co 441 Hall Ave St Marys Pa "Purebon"
Quality Built—See Alloy Mfg Co
Resistofelt—See Western Felt Works.
Roberts Toledo Rubber Co 4143 Monroe St Toledo 13 Ohio
Rodic Chemical & Rubber Corp Allen Ave New Brunswick N J
Schwitzer Corp 1125 Massachusetts Ave Indianapolis 7 Ind "Aqua-Lite"
Sealol Corp Warwick Industrial Park Providence 5 R I
Shuler Axle Co 2901 S Second St Louisville 8 Ky
Steel-Bronze Sealing Rings Co 540 S Meridian St Indianapolis 25 Ind "Non-Breakable"
Transit Parts Co 35700 Vine St Willoughby Ohio (For buses trucks and trailers)
Tri-Point Plastics Inc 11 Willets Rd Albertson L I N Y (Teflon)
Trostel Packings Ltd Albert Lake Geneva Wis
UBC—See Union Bearing Co
Union Bearing Co 403 E Jersey St Elizabeth N J "UBC"
United States Rubber Co Rockefeller Center 1230 Ave of the Americas N Y 20 N Y
Universal Oil-Seal Co., 34 W. Kennett Rd., Pontiac, Mich.
Victor Mfg. & Gasket Co., 5750 W. Roosevelt Rd., Chicago 50, Ill. "Victoprene."
Victoprene—See Victor Mfg. & Gasket Co.
Westemp—See Western Felt Works
Western Felt Works 4021 W Ogden Ave Chicago 23 Ill "Resistofelt" "Westemp" (Felt)

RIVET BURRS AND WASHERS—See Washers and Burrs, Riveting Burrs

RIVET CLIPPERS—See Clippers, Bolt and Rivet

RIVET FORGES—See Forges, Rivet (Oil Burning)

RIVET HEATING FURNACES—See Furnaces, Rivet Heating

RIVET SETS—See Sets, Rivet

RIVETS, Blind

Blind Bolts—See Hi-Shear Rivet Tool Co
Cherry—See Townsend Co
Daisy—See Huck Mfg Co
Dill Mfg Co 700 E 82nd St Cleveland 3 Ohio "Lok-Skru" "Lok-Rivet"
Fastex Div of Illinois Tool Works 195 Algonquin Rd Des Plaines Ill "Plasti-Rivet" (Plastic)
Goodrich Industrial Products Co B F 500 S Main St Akron 18 Ohio
Hi-Shear Rivet Tool Co 2600 W 247th St Torrance Calif "Blind Bolts"
Huck Mfg Co., 2480 Bellevue Ave., Detroit 7, Mich "Huck" "Daisy" (Aluminum and steel)
Lok-Rivet—See Dill Mfg. Co.
Lok-Skru—See Dill Mfg. Co.
Plasti-Rivet—See Fastex Div of Illinois Tool Works
Pop—See United Shoe Machinery Corp Pop Rivet Div
South Chester Corp Southco Div 228 Industrial Highway Lester Pa "Southco"
Southco—See South Chester Corp.
Star Expansion Industries Corp Mountainville N Y
Townsend Co Engineered Fasteners Div P O Box 70 Ellwood City Pa "Cherry" "Versa"
United Shoe Machinery Corp Pop Rivet Div Shelton Conn "Pop"
Versa—See Townsend Co

RIVETS, Grooved

American-Monarch Corp 5900 Park Ave Cleveland 5 Ohio
Driv-Lok Pin Co Park Ave & Chauncey St Sycamore Ill (Sole distributor Driv-Lok Sales Corp 777 Park Ave Sycamore Ill)
Groov-Pin Corp 1125 Hendricks Causeway Ridgefield N J

RIVETS, Tubular and Solid

Anti-Corrosive Metal Products Co Castleton-on-Hudson N Y (Stainless steel tubular)
Hassall Inc John Westbury L I N Y

RIVETS, Tubular and Split

Milford Rivet & Machine Co Post Rd Milford Conn
Perma-Nuts—See Tubular Rivet & Stud Co
Rex-Hide Brake Lining Co 515 Prospect St East Orange N J
Thompson Mfg Co Judson & Sawyer Rd Waltham Mass
Townsend Co Engineered Fasteners Div P O Box 70 Ellwood City Pa
Tubular Rivet & Stud Co Weston Ave Quincy 70 Mass "Perma-Nuts" (Combination rivet and nut)

ROAD LAMPS—See Lamps, Fog, Road and Spot

ROAD SPEED GOVERNORS—See Governors, Road Speed (Auto, Truck and Bus)

ROBE CORDS OR RAILS—See Rails, Robe or Coat

ROD CUTTERS—See Cutters, Rod and Bar

RODS, Connecting

(Finished or Machined Rods; for connecting rods in the rough—See Forgings)

Aluminum Co of America 801 Gulf Bldg Pittsburgh 19 Pa (Aluminum alloy)
Canton Drop Forging & Mfg. Co., 207 12th St., S. E., Canton, Ohio.
Continental Motors Corp., Muskegon 82, Mich.
G & E—See Gillett & Eaton Inc
Gillett & Eaton Inc 8th & Doughty Sts Lake City Minn "G & E" (Aluminum)
Niagara Motors Corps., Lamphire St., Dunkirk N Y.
Ohio Piston & Machinery Co 5340 Hamilton Ave Cleveland 14 Ohio
Park Drop Forge Co., 777 E. 79th St., Cleveland 3, Ohio.
Parks Engineering Inc 847 E Ward St Milwaukee 7 Wis
Pioneer Motor Bearing Co., Eddy St. & Van Ness Ave., San Francisco, Calif.
Toledo Steel Products Div of Thompson-Ramo-Wooldridge Inc 6402 Cedar Rd Cleveland 3 Ohio

RODS, Push (For Valve Rocker Arms)

Chicago Screw Co Div of Standard Screw Co 2701 Washington Blvd Bellwood Ill
Jambor Tool & Stamping Co 3057 N 30th St Milwaukee 10 Wis
Wohlert Corp 700 E Grand River Ave Lansing 5 Mich

RODS, STEERING—See Connections, Steering

RODS, VALVE LIFT—See Tappets, Valve

RODS, Welding

(See also Wire, Welding)

A C Weld—See Speer Carbon Co.
Abrasoweld—See Lincoln Electric Co.
Acme Electric Welder Co 2618 Fruitland Ave Los Angeles 58 Calif "Acmeloy" "Hardaloy" "Stainaloy" "Superloy"
Aerisweld—See Lincoln Electric Co.
Airco—See Air Reduction Sales Co
Air Reduction Sales Co Socony-Mobil Bldg 150 E 42nd St New York 17 N Y "Airco"
Allis-Chalmers Mfg. Co., Milwaukee 1, Wis.
Alloy Rods Co., W Market St., York, Pa "Arcaloy," "Atom-Arc," "Bronze-Arc," "Nickel-Arc," "Tool-Arc," "Wear-Arc"
All-State Welding Alloys Co 249 Ferris Ave White Plains N Y "All State" "Monoweld" "Steelarc"
Aluminum Co of America 1501 Alcoa Bldg Pittsburgh 19 Pa
Aluminweld—See Lincoln Electric Co.
American Brass Co., 414 Meadow St., Waterbury 20 Conn "Anaconda" "Tobin Bronze"
American Steel & Wire Div United States Steel Corp Rockefeller Bldg Cleveland 13 Ohio "Premier"
Ampco Metal Inc 1737 S 38th St Milwaukee 15 Wis "Ampco-Trode" "Phos-Trode" (Bronze)
Anaconda—See American Brass Co.
Arcaloy—See Alloy Rods Co.
Atlantic Steel Co., 16th & Mecaslin St., Atlanta, Ga.
Atom-Arc—See Alloy Rods Co
BBB—See Becker Bros' Carbon Co
Becker Bros Carbon Co 3450 S 52nd Ave Cicero 50 Ill "BBB"
Bridgeport Brass Co 30 Grand St Bridgeport 2 Conn
Bronze-Arc—See Alloy Rods Co.
Burdett Oxygen Co. of Cleveland, Inc., 3300 Lakeside Ave., Cleveland 14, Ohio. "Burdox."
ChamferTrode—See Eutectic Welding Alloys Corp
Colweld—See Colonial Alloys Co
Colmonoy—See Wall Colmonoy Corp
Colonial Alloys Co Ridge Ave & Crawford St Philadelphia 29 Pa "Colweld"
Crucible Steel Co of America Oliver Bldg Mellon Sq Pittsburgh 22 Pa "Rexweld"
CutTrode—See Eutectic Welding Alloys Corp
Dockson Corp., 3839 Wabash Ave., Detroit 8 Mich.
Elkaloy—See P R Mallory & Co
Eureka—See Welding Equipment & Supply Co.
Eutectic Welding Alloys Corp 40-40 172nd St Flushing N Y "CutTrode" "EutecRod" "EutecTrodes" "SteelTectic" "Hand-O-Matic" "ChamferTrode"
Faceweld—See Lincoln Electric Co.
Ferroweld—See Lincoln Electric Co.
Fleetweld—See Lincoln Electric Co.
Fluted Electrode—See P R Mallory & Co
Forney Mfg Co 1820 Laporte Ave Ft Collins Colo
Hand-O-Matic—See Eutectic Welding Alloys Corp
Hardaloy—See Acme Electric Welder Co.
Harnischfeger Corp 4400 W National Ave Milwaukee 14 Wis "P & H"
Hascrome—See Haynes Stellite Co
Hastelloy—See Haynes Stellite Co
Haynes Stellite Co 725 S Lindsay St Kokomo Ind "Hascrome" "Hastelloy" "Haynes Stellite" "Haynes" "Haystellite" (Hard facing)
Haystellite—See Haynes Stellite Co
Hobart Bros. Co., Canal Locks Square, Troy 1, Ohio. (Arc.)
Hold-Ark—See Speer Carbon Co
International Nickel Co., 67 Wall St., New York 5, N. Y. "Ni-Rod." (Cast iron.)
Jethard—See Lincoln Electric Co
Jetweld—See Lincoln Electric Co
Kirkhof Mfg Corp 2450 Buchanan Ave S W Grand Rapids Mich
Kop-R-Arc—See Krembs & Co.
Krembs & Co., 669 W. Ohio St., Chicago 10 Ill "Kop-R-Arc."
LH70—See Lincoln Electric Co
Lincoln Electric Co 22801 St Clair Ave Cleveland 17 Ohio "Stable-Arc" "Stainweld A" "Manganweld" "Aluminweld" "Fleetweld" "Ferroweld" "Toolweld" "Abrasoweld" "Aerisweld" "Wearweld" "Softweld" "Faceweld" "Surfaceweld" "Shield-Arc" "Planeweld" "Jetweld" "LH70" "Jethard" "Marjet"
Linde Co 30 E 42nd St New York 17 N Y "Oxweld"; "UnionMelt" (Coiled)
McKay Co., 1005 Liberty Ave., Pittsburgh 22 Pa "McKay Rod"
Mallory & Co P R 76 S Gray St Indianapolis 6 Ind "Elkaloy" & "Fluted Electrode" (Resistance)
Manganweld—See Lincoln Electric Co.
Marjet—See Lincoln Electric Co
Marquette Mfg. Co., 207 E. Hennepin Ave. Minneapolis 14, Minn
Metal & Thermit Corp Rahway N J "Murex"
Monoweld—See All-State Welding Alloys Co
Mueller Brass Co., 1925 Lapeer Ave., Port Huron Mich
Murex—See Metal & Thermit Corp.
NCG—See National Cylinder Gas Div
National Cylinder Gas Div of Chemetron Corp 840 N Michigan Ave Chicago 11 Ill "NCG" & "Sureweld"
Nickel-Arc—See Alloy Rods Co.
Ni-Rod—See International Nickel Co.
Oxweld—See Linde Co
P & H—See Harnischfeger Corp.
Page Steel & Wire Div American Chain & Cable Co P O Box 692 Monessen Pa
Phos-Trode—See Ampco Metal, Inc.
Planeweld—See Lincoln Electric Co.
Premier—See American Steel & Wire Div
Revere Copper and Brass Inc., 230 Park Ave., New York 17, N. Y. (Copper, brass and bronze.)
Rexarc—See Slight Feed Generator Co.
Rexweld—See Crucible Steel Co of America
Shield-Arc—See Lincoln Electric Co.
Sight Feed Generator Co., West Alexandria, Ohio "Rexarc"
Smith Corp A O 27th & Hopkins Sts Milwaukee 1 Wis
Softweld—See Lincoln Electric Co.
Speer Carbon Co St Marys Pa "A C Weld" "Hold-Ark"
Stable-Arc—See Lincoln Electric Co.
Stainaloy—See Acme Electric Welder Co.
Stainweld A—See Lincoln Electric Co.
Steelarc—See All-State Welding Alloys Co
SteelTectic—See Eutectic Welding Alloys Corp
Superloy—See Acme Electric Welder Co.
Sureweld—See National Cylinder Gas Co
Surfaceweld—See Lincoln Electric Co.
Titan Metal Mfg Co Bellefonte Pa
Tobin Bronze—See American Brass Co.
Tool-Arc—See Alloys Rods Co.
Toolweld—See Lincoln Electric Co.
UnionMelt—See Linde Co
Wall Colmonoy Corp 19345 John R St Detroit 3 Mich "Colmonoy," "Wallex"
Wallex—See Wall Colmonoy Corp
Wear-Arc—See Alloy Rods Co.
Wearweld—See Lincoln Electric Co.
Welding Equipment & Supply Co 5225 E Davison St Detroit 12 Mich "Eureka"
Westinghouse Electric Corp Welding Dept Buffalo N Y

ROLL FORMING MACHINES—See Machines, Roll Forming

ROTATORS, Valve (Poppet)

RMC—See Rich Mfg Corp
Rich Mfg Corp 96 N Division St Battle Creek Mich "RMC"
Rotocap—See Thompson Products Valve Div
Rotocoil—See Thompson Products Valve Div
Rotovalves—See Thompson Products Valve Div
Thompson Products Valve Div Thompson-Ramo-Wooldridge Inc 1455 E 185th St Cleveland 10 Ohio "Rotocap" "Rotocoil" "Rotovalve' (Poppet)
Toledo Steel Products Div of Thompson-Ramo-Wooldridge Inc 6402 Cedar Rd Cleveland 3 Ohio

ROUTERS, MULTIPLE FORM—See Machines, Routing

RUBBER, Bonded to Metal, Plastic or Silicone

Acushnet Process Co Rubber Div 754 Belleview Ave New Bedford Mass "Apcotite" (Metal to order)
Apcotite—See Acushnet Process Co
Arco—See Automotive Rubber Co
Automotive Rubber Co 12584 Beech Rd Detroit 39 Mich "Arco"
Buckeye Rubber Products Inc 637 N Jackson St Lima Ohio
Castle Rubber Co East Butler Pa
Chicago-Allis Mfg Corp 113 N Green St Chicago 7 Ill
Clevite Harris Products Inc Lockwood Rd Milan Ohio
Cohrlastic—See Connecticut Hard Rubber Co
Connecticut Hard Rubber Co 107 East St., **New Haven, Conn. "Cohrlastic" (Metal)**
Cooper Tire & Rubber Co Lima & Western Aves Findlay Ohio
Cranz Co J M 2671 Main St Buffalo 14 N Y
Duolock—See B F Goodrich Industrial Products Co
Firestone Tire & Rubber Co 1200 Firestone Parkway Akron Ohio
Garlock Packing Co 402 Main St Palmyra N Y
General Tire & Rubber Co Industrial Products Div Wabash Ind
Goodrich Co Sponge Products Div BF Sponge Products Div Howe Ave Shelton Conn
Goodrich Industrial Products Co B F 500 S Main St Akron 18 Ohio "Duolock"
Gorbond—See Goshen Rubber Co
Goshen Rubber Co 609 E Iowa St Goshen Ind "Gorbond"
Inland Mfg. Div.-General Motors Corp., 2727 Inland Ave., Dayton 1, Ohio
Johnson Rubber Co Middlefield Ohio
Lord Mfg Co 1635 W 12th St Erie Pa (Metal)
Mechanical Rubber Products Co Warwick N Y
Minnesota Rubber Co 3630 Woodale Ave St Louis Park Minneapolis 16 Minn
Monarch Rubber Co Hartville Ohio
Moxness Products Inc 1914 Indiana St Racine Wis
Ohio Rubber Co., 300 Ben Hur Ave., Willoughby, Ohio. "Orco."
Orco—See Ohio Rubber Co
Roberts Toledo Rubber Co 4143 Monroe St Toledo 13 Ohio
Rodic Chemical & Rubber Corp Allen Ave New Brunswick N J (Metal)
Seamless Rubber Co Specialty Div 253 Hallock Ave New Haven 3 Conn
Standard Products Co 2130 W 110th St Cleveland 2 Ohio
Stillman Rubber Co 5811 Marilyn Ave Culver City Calif
Sun Rubber Co Industrial Products Div 9 Fairview Ave Barberton Ohio (To order)
United States Rubber Co Rockefeller Center 1230 Ave of the Americas N Y 20 N Y

RUBBER, Hard

(Sheet, rod and tube)

Ace—See American Hard Rubber Co.
Acme Mfg. & Gasket Co., 738 N 41st St., Philadelphia 4, Pa
American Hard Rubber Co Div Amerace Corp Ace Rd Butler N J "Ace"
Davidson Rubber Co 50 Brighton St Boston 29 Mass
Garlock Packing Co 402 Main St Palmyra N Y
Roberts Toledo Rubber Co 4143 Monroe St Toledo 13 Ohio
Seamless Rubber Co Specialty Div 253 Hallock Ave New Haven 3 Conn

RUBBER, Molded (Natural)

Acushnet Process Co Rubber Div 754 Belleview Ave New Bedford Mass (To order)
American Rubber Products Corp 315 Brighton St La Porte Ind (Sponge)

Atlantic India Rubber Works Inc 571 W Polk St Chicago 7 Ill
Automotive Rubber Co 12584 Beech Rd Detroit 39 Mich
Brown Rubber Co., Union St. & Concord Rd Lafayette Ind (Sponge)
Buckeye Rubber Products Inc 637 N Jackson St Lima Ohio
Canfield Co., H. O., 191 Housatonic Ave., Bridgeport 1, Conn.
Castle Rubber Co East Butler Pa
Chardon Rubber Co 6th & Washington Ave Chardon Ohio
Chicago-Allis Mfg Corp 113 N Green St Chicago 7 Ill
Cincinnati Rubber Mfg. Co., Franklin Ave. Norwood, Cincinnati 12, Ohio
Clevite Harris Products Inc Lockwood Rd Milan Ohio
Continental Rubber Works 1946 Liberty St Erie Pa
Cooper Tire & Rubber Co., Lima & Western Aves., Findlay, Ohio.
Corduroy Rubber Co., Fuller Ave. & G. T. Tracks, Grand Rapids 1, Mich.
Cranz Co J M 2671 Main St Buffalo 14 N Y
Davidson Rubber Co 50 Brighton St Boston 29 Mass (To order)
Dryden Rubber Div., Sheller Mfg. Corp., 1014 S. Kildare Ave., Chicago 24, Ill.
Faultless Rubber Co., 268 Fourth St., Ashland, Ohio.
Firestone Industrial Products Co Noblesville Ind
Forest City Products Inc Industrial Products Div 722 Bolivar Rd Cleveland 15 Ohio
Garlock Packing Co 402 Main St Palmyra N Y
Genuga Industries Co Old State Rd Middlefield Ohio
General Tire & Rubber Co Industrial Products Div Wabash Ind
Goodrich Industrial Products Co B F 500 S Main St Akron 18 Ohio
Goodrich Sponge Products B F Howe Ave Shelton Conn "Spongex"
Goodyear Tire & Rubber Co., E. Market St., Akron 16, Ohio
Goshen Rubber Co 609 E Iowa St Goshen Ind
Hewitt-Robins Inc 666 Glenbrook Rd Stamford Conn
Huntingdon Rubber Mills P O Box 570 Portland 7 Ore (To order)
Industrial Rubber Goods Co., St. Joseph, Mich.
Judsen Rubber Works, Inc., 4107 W. Kinzie St., Chicago, Ill.
Karpex Mfg Co 1436 E 19th St Indianapolis 7 Ind (Solid and sponge)
Kuehn Co N L 3747 N Booth St Milwaukee 12 Wis
Lee Rubber & Tire Corp Conshohocken Pa
Linear Inc State Rd & Levick St Philadelphia 35 Pa
Manhattan—See Raybestos-Manhattan, Inc., Manhattan Rubber Div
Mechanical Rubber Products Co Warwick N Y
Minnesota Rubber Co 3630 Woodale Ave St Louis Park Minneapolis 16 Minn
Monroe Auto Equipment Co., 1426 E. First St., Monroe, Mich.
Ohio Rubber Co., 300 Ben Hur Ave., Willoughby, Ohio. "Orco"
Orco—See Ohio Rubber Co
Parker Seal Co 10567 Jefferson Blvd Culver City Calif
Plastic & Rubber Products Co 2100 Hyde Park Blvd Los Angeles 47 Calif
Premier Rubber Mfg. Co., 1 Edmund St., Dayton 1, Ohio.
Raybestos-Manhattan, Inc., Manhattan Rubber Div., 61 Willet St., Passaic, N. J. "Manhattan."
Republic Rubber Div Lee Rubber & Tire Corp Albert St Youngstown 1 Ohio
Roberts Toledo Rubber Co 4143 Monroe St Toledo 13 Ohio
Seamless Rubber Co Specialty Div 253 Hallock Ave New Haven 3 Conn
Servwell Products Co 6519 Euclid Ave Cleveland 3 Ohio
Spongex—See B F Goodrich Sponge Products
Stalwart Rubber Co 222 Northfield Rd Bedford Ohio
Standard Products Co 2130 W 110th St Cleveland 2 Ohio
Stillman Rubber Co 5811 Marilyn Ave Culver City Calif
Stokes Molded Products Div of Electric Storage Battery Co Taylor & Webster Sts Trenton 4 N J (Hard)
Sun Rubber Co Industrial Products Div 9 Fairview Ave Barberton Ohio (To order)
United States Rubber Co Rockefeller Center 1230 Ave of the Americas N Y 20 N Y
Western Rubber Co 620 E Douglas St Goshen 3 Ind

RUBBER MOLDED (Synthetic)—See Rubber, Synthetic (Processed)

RUBBER, NEOPRENE — See Rubber, Synthetic

RUBBER, Plastic

Roberts Toledo Rubber Co 4143 Monroe St Toledo 13 Ohio
United States Rubber Co., Rockefeller Center, 1230 Ave. of the Americas, New York 20, N. Y.

RUBBER, ROD AND SHEET—See Rubber, Hard

RUBBER SHOCK INSULATORS—See Mountings, Rubber Insulated

RUBBER, Silicone

Cohrlastic—See Connecticut Hard Rubber Co
Connecticut Hard Rubber Co 407 East Ave New Haven 9 Conn "Cohrlastic" (Sheet, tubing and sponge)
Dow Corning Corp Midland Mich "Silastic"
G-E—See General Electric Co
General Electric Co Silicone Products Dept Waterford N Y "G-E"
Gorsil—See Goshen Rubber Co
Goshen Rubber Co 609 E Iowa St Goshen Ind "Gorsil"
Silastic—See Dow Corning Corp
Silicones Div Union Carbide Corp 30 E 42nd St N Y 17 N Y "Union Carbide"
Union Carbide—See Silicones Div Union Carbide Corp

RUBBER, Silicone (Processed)

Acushnet Process Co Rubber Div 754 Belleview Ave New Bedford Mass (To order)
Arcosil—See Arrowhead Products Div
Arrowhead Products Div of Federal-Mogul-Bower Bearings Inc 11031 Shoemaker Rd Detroit Mich "Arcosil"
Cohrlastic—See Connecticut Hard Rubber Co
Connecticut Hard Rubber Co 407 East St New Haven 9 Conn
Garlock Packing Co 402 Main St Palmyra N Y
Goshen Rubber Co 609 E Iowa St Goshen Ind
Haveg Industries Inc Taunton Div 336 Weir St Taunton Mass
Judsen Rubber Works Inc 4107 W Kinzie St Chicago 24 Ill
Minnesota Rubber Co 3630 Woodale Ave St Louis Park Minneapolis 16 Minn
Moxness Products Inc 1914 Indiana St Racine Wis
Ohio Rubber Co 300 Ben Hur Ave Willoughby Ohio "Orco"
Orco—See Ohio Rubber Co
Parco—See Plastic & Rubber Products Co
Plastic & Rubber Products Co 2100 Hyde Park Blvd Los Angeles 47 Calif "Parco"

RUBBER, Sponge

Airfoam—See Goodyear Tire & Rubber Co
American Forest Products Co Box 911 Norristown Pa
American Rubber Products Corp 315 Brighton St La Porte Ind (Die cut)
Automotive Rubber Co 12584 Beech Rd Detroit 39 Mich
Backstay Welt Co., Oak & Howard Sts., Union City Ind "Trimtite"
Bonded Foam Lastex Inc 4501 Perkins Ave Cleveland 4 Ohio "Velv-O-Tex"
Brown Rubber Co., Union St. & Concord Rd., Lafayette, Ind.
Buckeye Rubber Products Inc 637 N Jackson St Lima Ohio
Cranz Co J M 2671 Main St Buffalo 14 N Y
Davidson Rubber Co 50 Brighton St Boston 29 Mass
Dortite—See Durkee-Atwood Co
Durkee-Atwood Co 215 Seventh St N E Minneapolis 13 Minn "Dortite"
Dutch Brand—See Johns-Manville Dutch Brand Div
Faultless Rubber Co., 268 Fourth St., Ashland, Ohio
Garlock Packing Co 402 Main St Palmyra N Y
General Tire & Rubber Co Industrial Products Div Wabash Ind
Goodrich Industrial Products Co B F 500 S Main St Akron 18 Ohio
Goodrich Sponge Products B F Howe Ave Shelton Conn "Spongex" (Molded forms die-cut shapes and sheet)
Goodyear Tire & Rubber Co 1144 E Market St Akron 16 Ohio "Airfoam"
Hewitt-Robins Inc 240 Kensington Ave Buffalo 5 N Y "Restfoam" (Latex foam)
Johns-Manville Dutch Brand Div 7800 Woodlawn Ave Chicago 19 Ill "Dutch Brand" (Sheets)
Judsen Rubber Works, Inc., 4107 W. Kinzie St., Chicago, Ill.
Mechanical Rubber Products Co Warwick N Y
Moxness Products Inc 1914 Indiana St Racine Wis
Restfoam—See Hewitt-Robins Inc
Rubatex Div Great American Industries Inc Bedford Va
Spongex—See B F Goodrich Co Sponge Products Div
Trimtite—See Backstay Welt Co
Union Welt Corp 1316 S Pulaski Rd Chicago 23 Ill
United States Rubber Co., Rockefeller Center, 1230 Ave. of the Americas, New York 20, N. Y.
Velv-O-Tex—See Bonded Foam Latex Inc

RUBBER, Synthetic

Acme Mfg. & Gasket Co., 738 N. 41st St., Philadelphia 4, Pa. "Tygon."
Armstrong Rubber Co 475 Elm St West Haven 16 Conn (Foam)
Butaprene—See Firestone Tire & Rubber Co
Chemigum—See Goodyear Tire & Rubber Co
du Pont de Nemours & Co., E. I. Elastomer Chemicals Dept., Wilmington 98, Del. "Viton, "Hypalon"
Enjay Co 15 W 51st N Y 19 N Y "Enjay Butyl"
Fel-Pro—See Felt Products Mfg. Co.
Felt Products Mfg Co 7450 N McCormick Blvd Skokie Ill "Fel-Pro"
Firestone Tire & Rubber Co 1200 Firestone Parkway Akron Ohio "Butaprene"
Flintkote Co., 30 Rockefeller Plaza, New York 20 N Y
General Tire & Rubber Co Englewood Ave & Holmes Ave Akron 9 Ohio "Genthan"
Genthan—See General Tire & Rubber Co
Goodrich Chemical Co B F 3135 Euclid Ave Cleveland 15 Ohio "Hycar"
Goodyear Tire & Rubber Co 1144 E Market St Akron 16 Ohio "Chemigum" "Plioflex"
Hycar—See B F Goodrich Chemical Co
Hypalon—See E I du Pont de Nemours & Co
Mundet Cork Corp 7101 Tonnelle Ave North Bergen N J (Sheet)
Naugapol—See Naugatuck Chemical Div
Naugatuck Chemical Div of U S Rubber Co 523 Elm St Naugatuck Conn "Paracil" "Naugapol"
Paracil—Se Naugatuck Chemical Div
Plioflex—See Goodyear Tire & Rubber Co
Rodic Chemical & Rubber Corp Allen Ave New Brunswick N J
Thiokol Chemical Corp 780 N Clinton Ave Trenton 7 N J
Tygon—See Acme Mfg. & Gasket Co.
United States Rubber Co., Rockefeller Center, 1230 Ave. of the Americas, New York 20, N. Y.
Viton—See E I du Pont de Nemours & Co

RUBBER, Synthetic (Processed)

(In molded, extruded, sheet or other forms)

Acadia Div Western Felt Works 4115 W Ogden Ave Chicago 23 Ill "Acadia" "Gaskofelt"
Acushnet Process Co Rubber Div 754 Belleview Ave New Bedford Mass (To order)
Atlantic India Rubber Works Inc 571 W Polk St Chicago 7 Ill
Automotive Rubber Co 12584 Beech Rd Detroit 39 Mich
Canfield Co H O 191 Housatonic Ave Bridgeport 1 Conn
Chardon Rubber Co 6th & Washington Aves Chardon Ohio
Chicago Rawhide Mfg Co 1301 Elston Ave Chicago 22 Ill "Sirvene"
Flintkote Co 30 Rockefeller Plaza New York 20 N Y
Garlock Packing Co 402 Main St Palmyra N Y
Gaskofelt—See Acadia Div., Western Felt Works.
Goshen Rubber Co 609 E Iowa St Goshen Ind
Houghton & Co E F 303 W Lehigh Ave Philadelphia 33 Pa
Huntington Rubber Mills PO Box 570 Portland 7 Ore (To order)
Inland Mfg Div General Motors Corp 2727 Inland Ave Dayton 1 Ohio
Johnson Rubber Co Middlefield Ohio
Judsen Rubber Works, Inc., 4107 W. Kinzie St., Chicago, Ill
Kem-blo—See United States Rubber Co
Lavelle Rubber Co 430 N Wood St Chicago 22 Ill
Linear Inc State Rd & Levick St Philadelphia 35 Pa
Manhattan—See Raybestos-Manhattan, Inc., Manhattan Rubber Div
Mechanical Rubber Products Co., Warwick, N. Y.
Monroe Auto Equipment Co 1426 E First St Monroe Mich
Ohio Rubber Co., 300 Ben Hur Ave., Willoughby, Ohio. "Orco."

RUBBER, Synthetic (Processed) — continued

Orco—See Ohio Rubber Co.
Parco—See Plastic & Rubber Products Co
Plastic & Rubber Products Co 2100 Hyde Park Blvd Los Angeles 47 Calif "Parco" (O-rings)
Raybestos-Manhattan Inc Manhattan Rubber Div 61 Willet St Passaic N J "Manhattan"
Roberts Toledo Rubber Co 4143 Monroe St Toledo 12 Ohio
Rodic Chemical & Rubber Corp Allen Ave New Brunswick N J
Rubatex Div Great American Industries Inc Bedford Va
Seamless Rubber Co Specialty Div 253 Hallock Ave New Haven 3 Conn
Servwell Products Co 6519 Euclid Ave Cleveland 3 Ohio
Sirvene—See Chicago Rawhide Mfg Co
Standard Products Co 2130 W 110th St Cleveland 2 Ohio
Stillman Rubber Co 5811 Marilyn Ave Culver City Calif (O rings)
United States Rubber Co., Rockefeller Center, 1230 Ave. of the Americas, New York 20, N. Y. "Kem-blo"

RUNNING GEARS, Trailer—See Gears, Running (Trailer)

RUSTPROOFING—See Galvanizing, Sherardizing and Rustproofing

SAFEGUARDS, Flame (Industrial Burner)

Minneapolis-Honeywell Regulator Co Industrial Div Wayne & Windrim Aves Philadelphia 44 Pa "Protectoglo"

SANDERS, Portable Electric

Albertson & Co., 3100 Lowell Ave., Sioux City, Iowa. "Sioux."
Aro Equipment Corp., Bryan, Ohio.
Auto-Magic—See Douglas Scott Corp
Black & Decker Mfg Co 629 Pennsylvania Ave Towson 4 Md
Blue Point—See Snap-On Tools Corp
Buckeye Tools Corp 5005 Springboro Pike Dayton 9 Ohio
CP—See Chicago Pneumatic Tool Co.
Chicago Pneumatic Tool Co 6 E 44th St New York N Y "CP" "Hicycle" & "Super Cycle"
Clarke Floor Machine Co 30 E Clay Ave Muskegon Mich
Cummins Portable Tools Div of John Oster Mfg Co 5055 N Lydell Ave Milwaukee 17 Wis
Dremel Mfg Co 2420 18th St Racine Wis "Moto-Sander"
Easy—See National-Detroit Inc
Hicycle—See Chicago Pneumatic Tool Co
Jones Motrola Corp 132 Fairfield Ave Stamford Conn
Millers Falls Co 57 Wells St Greenfield Mass
Milwaukee Electric Tool Co 5350 W State St Milwaukee 8 Wis
Mity Midget—See National-Detroit Inc
Moto-Sander—See Dremel Mfg Co
National-Detroit Inc 2810 Auburn St Rockford Ill "Easy" "Mity Midget"
Porter-Cable Machine Co 700 Marcellus St Syracuse 4 N Y
Pratt & Whitney Co Charter Oak Blvd West Hartford 1 Conn
Remington Arms Co 939 Barnum Ave Bridgeport 2 Conn
Rotor Tool Co 23600 Lakeland Blvd Cleveland 32 Ohio
Scott Corp Douglas 3931 W 150th St Cleveland 11 Ohio "Auto-Magic"
Signal Mfg Co 69 Bennett St Lynn Mass
Sioux—See Albertson & Co.
Skil Corp 5033 Elston Ave Chicago 30 Ill "Skil Sander" (Belt disc and oscillating)
Snap-On Tools Corp 8046 28th Ave Kenosha Wis "Blue Point"
SpeedWay Mfg Co 1421 Barnsdale Rd La Grange Park Ill "Thor SpeedSanders"
Stanley Electric Tools, Div. of Stanley Works, 480 Myrtle Ave., New Britain, Conn.
Supercycle—See Chicago Pneumatic Tool Co
Thor Power Tool Co 175 State St Aurora Ill
Thor SpeedSanders—See SpeedWay Mfg Co
United States Electrical Tool Co 3620 Llewelyn St Cincinnati 23 Ohio "U S"
Weller Electric Co 601 Stone's Crossing Rd Easton Pa
Wen Products Inc 5806 Northwest Hwy Chicago 31 Ill

SANDERS, Portable Pneumatic

Aro Equipment Co., Bryan, Ohio.
Buckeye Tools Corp 5005 Springboro Pike Dayton 9 Ohio (Belt and disc types)
CP—See Chicago Pneumatic Tool Co.
Chicago Pneumatic Tool Co 6 E 44th St New York N Y "CP" "Hicycle" & "Supercycle"
Cleco Div of Reed Roller Bit Co 5125 Clinton Dr Houston 1 Tex
Dual Action—See National-Detroit Inc
Easy—See National-Detroit Inc
Hicycle—See Chicago Pneumatic Tool Co
Ingersoll-Rand Co 11 Broadway New York 4 N Y
Master Power Corp Krick Rd Bedford Ohio
Mity Midget—See National-Detroit Inc
National-Detroit Inc 2810 Auburn St Rockford Ill "Dual Action" "Easy" "Mity Midget"
Rotor Tool Co 23600 Lakeland Blvd Cleveland 23 Ohio
Sundstrand Machine Tool Div of Sundstrand Corp Newburgh Rd Belvidere Ill
Supercycle—See Chicago Pneumatic Tool Co
Thor Power Tool Co 175 State St Aurora Ill
Watco—See Waterviiet Tool Co
Waterviiet Tool Co 1346 Broadway Albany 4 N Y "Watco"

SANDERS, Traction (Automobile, Truck and Bus)

Grip-King—See Tenna-Lite Mfg Co
Napco Elston — See Napco Industrial Inc Highway Safety Appliances Div
Napco Industries Inc Highway Safety Appliances Div 834 N Seventh St Minneapolis 11 Minn "Napco Elston" (Electric for trucks and buses)
Tenna-Lite Mfg Co 1809 Milwaukee Ave Chicago 47 Ill "Grip-King" (Auto)

SAWS, Band

Clemson Bros., 22 Cottage St., Middletown, N. Y. "Star."
Moak Machine & Tool Co 2547 Connor St Port Huron Mich
Simonds Saw & Steel Co 470 Main St Fitchburg Mass
Star—See Clemson Bros.

SAWS, HACK—See Blades, Saw (Hack); also Machines, Sawing (Power Hack)

SAWS, HOLE—See Saws & Cutters, Hole or Rotary

SAWS, Piston Ring Slotting

Circle R—See Circular Tool Co.
Circular Tool Co., 765 Allens Ave., Providence, R. I. "Circle R."

SAWS, Portable Electric

Albertson & Co 3100 Lowell Ave Sioux City Iowa "Sioux"
Black & Decker Mfg Co 629 Pennsylvania Ave Towson 4 Md
Chicago Pneumatic Tool Co 6 E 44th St N Y 17 N Y
Cummins Portable Tools Div of John Oster Mfg Co 5055 N Lydell Ave Milwaukee 17 Wis
Dremel Mfg. Co., 2420 18th St., Racine, Wis. "Moto-Saw"
Forsberg Mfg Co 125 Sea View Ave Bridgeport Conn "Whirl-Saw," "Whiz-Saw"
Hand-I-Hack—See Lipe-Rollway Corp
Kett Tool Co 5055 Madison Rd Cincinnati 27 O
Lipe-Rollway Corp 806 Emerson Ave Syracuse 1 N Y "Hand-I-Hack" (Hack)
Mid-States Welder Mfg Co 6025 S Ashland Ave Chicago 36 Ill (Saw and file attachment for drill)
Millers Falls Co 57 Wells St Greenfield Mass
Milwaukee Electric Tool Co 5350 W State St **Milwaukee 8 Wis (Circular reciprocating)**
Moto-Saw—See Dremel Mfg. Co
Porter-Cable Machine Co 700 Marcellus St Syracuse 4 N Y
Remington Arms Co 939 Barnum Ave Bridgeport 2 Conn
Sioux—See Albertson & Co
Skil Corp 5033 Elston Ave Chicago 30 Ill "Skil Saw"
SpeedWay Mfg Co 1421 Barnsdale Rd La Grange Park Ill "Thor SpeedSaws"
Stackhouse, E. H., 219 N. 63rd St., Philadelphia 39, Pa. (Attachment, for sawing and filing.)
Stanley Electric Tools, Div. of Stanley Works, 480 Myrtle Ave., New Britain, Conn.
Syntron Co 495 Lexington Ave Homer City Pa
Thor Power Tool Co 175 State St Aurora Ill
Thor SpeedSaws—See SpeedWay Mfg Co
Wen Products Inc 5806 Northwest Highway Chicago 31 Ill
Whirl-Saw—See Forsberg Mfg Co
Whiz-Saw—See Forsberg Mfg Co
Wyco—See Wyzenbeek & Staff Inc
Wyzenbeek & Staff Inc 223 N California Ave Chicago 12 Ill "Wyco" (Attachments for sawing or filing)

SAWS, Portable Pneumatic

Chicago Pneumatic Tool Co 6 E 44th St N Y 17 N Y
Thor Power Tool Co 175 State St Aurora Ill

SAWS, SWING—See Machines, Sawing (Swing)

SAWS and CUTTERS, Hole or Rotary (For use with Portable Electric or Pneumatic Drills)

(For cutting holes in instrument boards for mounting instruments)

Albertson & Co 3100 Lowell Ave Sioux City Iowa "Sioux" (Hole saws)
American Saw & Mfg Co 67 Boylston St Springfield 1 Mass "Lenox" (Hole saws)
Anderson Corp 1029 Southbridge St Worcester 10 Mass (Hole saws)
Black & Decker Mfg Co 629 Pennsylvania Ave Towson 4 Md (Hole saws)
Blue Point—See Snap-On Tools Corp
Burt—See White Mfg Co
Capewell Mfg Co 60 Governor St Hartford 2 Conn "Safetech" (Hole saws)
Clark Co Robert H 9330 Santa Monica Blvd Beverly Hills Calif
Cornwell Quality Tools Co Mogadore Ohio (Hole saws)
Kett Tool Co 5055 Madison Rd Cincinnati 27 O (Rotary)
Lenox—See American Saw & Mfg Co
Martindale Electric Co 1340 Hird Ave Cleveland 7 Ohio
Milford—See Henry S Thompson & Son Co
Millers Falls Co 57 Wells St Greenfield Mass
Misener Mfg. Co., 202 Walton St., Syracuse 2 NY (Hole saws)
Rimac—See Rinck-McIlwaine, Inc.
Rinck-McIlwaine, Inc., 16 Hudson St., New York 13, N. Y. "Rimac."
Safetech—See Capewell Mfg Co
Sioux—See Albertson & Co
Snap-On Tools Corp 8046 28th Ave Kenosha Wis "Blue Point"
Spartan Saw Works Inc 152 Fisk Ave Springfield 7 Mass (Hole saws)
Starrett Co L S 1-165 Crescent St Athol Mass
Thompson & Son Co Henry G 277 Chapel St New Haven 5 Conn "Milford"
White Mfg Co 365 McCarter Highway Newark N J "Burt"
Wyco—See Wyzenbeek & Staff Inc
Wyzenbeek & Staff Inc 223 N California Ave Chicago 12 Ill "Wyco"

SCALES, Computing, Compounding and Counting

Detecto Scales, Inc., Div. Jacobs Bros. Co., 540 Park Ave., Brooklyn, N. Y. "Detecto-Gram."
Exact Weight Scale Co 540 E Town St Columbus 15 Ohio (Compounding and counting)
Toledo Scale Div of Toledo Scale Co Telegraph Rd Toledo 12 Ohio

SCALES, Special Automotive Purpose

(Including spring, armature and piston ring testing scales, connecting rod scales and connecting rod and piston classifying scales, etc.)

Exact Weight Scale Co 540 E Town St Columbus 15 Ohio "Exact Weight" "Shadowgraph" "Selectrol"
Selectrol—See Exact Weight Scale Co
Shadowgraph—See Exact Weight Scale Co.
Toledo Scale Div of Toledo Scale Co Telegraph Rd Toledo 12 Ohio

SCALES, Weighing (Dial Type)

Cemco Industries Inc Gallon Ohio "Trailer-Weigh" (Trailer)
Chatillon & Sons, John, 85-93 Cliff St., New York 38 N Y
Detecto Scales Inc Div Jacobs Bros Co 540 Park Ave Brooklyn N Y
Dillon & Co W C 14620 Keswick St Van Nuys Calif
Fairbanks, Morse & Co., 600 S. Michigan Ave., Chicago 5, Ill.
Howe Scale Co., 3 Scale Ave., Rutland, Vt.
Toledo Scale Div of Toledo Scale Co Telegraph Rd Toledo 12 Ohio
Trailer Weigh—See Cemco Industries Inc

SCALES, Weighing (Platform Type)

Bonded Scale & Machine Co 83 Bellevue Ave Columbus Ohio
Buffalo Scale Co 46 Letchworth St Buffalo 13 N Y
Chatillon & Sons, John, 85 Cliff St., New York 38 N Y
Detecto Scales, Inc., Div. Jacobs Bros. Co., 540 Park Ave., Brooklyn, N. Y.
Exact Weight Scale Co 540 E Town St Columbus 15 Ohio
Fairbanks, Morse & Co., 600 S. Michigan Ave., Chicago 5, Ill.
Howe Scale Co., 3 Scale Ave., Rutland, Vt.
Toledo Scale Co Telegraph Rd Toledo 13 Ohio

SCREW DRIVERS—See Drivers, Screw

SCREWDRIVING BITS—See Bits, Screwdriving

SCREWDRIVING MACHINES — See Machines, Screwdriving

SCREW EXTRACTORS — See Extractors, Bolt and Screw

SCREW MACHINE PRODUCTS, TO ORDER

Aero Supply Mfg Co 611 W Main St Corry Pa
Agner Simplex Co 607 Pine St Burlington 1 Wis "Simplex"
Alcoa—See Aluminum Co of America
Aluminum Co of America 1501 Alcoa Bldg Pittsburgh 19 Pa "Alcoa"
Aluminum Industries Inc 3670 Werk Rd Cincinnati 11 Ohio
Anti-Corrosive Metal Products Co Castleton-on-Hudson N Y (Stainless steel)
Autoscrew Co 216 W 18th St New York 11 N Y
Bayley Products Inc 19155 Glendale St Detroit 23 Mich
Beck Products Corp 12255 E Eight Mile Rd Detroit 5 Mich
Belco—See Bell Co
Bell Co David 1555 Fillmore Ave Buffalo 11 N Y "Belco"
Blake & Johnson Co 1498 Thomaston St Waterville 48 Conn
Bowen Products Corp Auburn N Y
Brown Corp 213 Bellevue Ave Syracuse N Y
Burgess-Norton Mfg Co 737 Peyton St Geneva Ill
Chicago Screw Co Div of Standard Screw Co 2701 Washington Blvd Bellwood Ill
Chicago Tool & Kit Mfg Co 230 N Jefferson St Chicago 6 Ill
Circle Z R F D #2 Pomfret Center Conn
Cleveland Steel Products Corp 16025 Brookpark Rd Cleveland 35 Ohio
Commonwealth Brass Corp 5835 Commonwealth Ave Detroit 8 Mich
Condamatic Co 2700 E Nine Mile Rd Hazel Park Mich
Continental Motors Corp 205 Market St Muskegon 82 Mich
Culver-Stearns Mfg Co 181 Greenwood St Worcester 7 Mass
Curtis Screw Co 17 Gull St Buffalo 13 N Y
Davis & Hemphill 2000 Furnave Ave Elkridge 27 Md
Defiance Screw Machine Products Div of Serrick Corp 733 Perry St Defiance Ohio
Delo Screw Products Co 38 S Franklin St Delaware Ohio
Dexter Products Div Dexter Industries Inc 1601 Madison Ave S E Grand Rapids 2 Mich
Dill Mfg Co 700 E 82nd St Cleveland 3 Ohio
Dole Valve Co 6201 Oakton St Morton Grove Ill (Brass)
Druge Bros Mfg Co 888 92nd Ave Oakland 3 Calif "Tru-Flate" (Sole distributors Tru-Flate Inc 888 92nd Ave Oakland 3 Calif)
Eastern Machine Screw Corp Truman & Barclay Sts New Haven 6 Conn "H&G"
Engineered Products Co 129 Smith St Flint 4 Mich
Federal Screw Works 3401 Martin St Detroit 10 Mich
Fox Products Co 4720 N 18th St Philadelphia 41 Pa
Franklin Fibre Lamitex Corp 18 St E of Market St Wilmington Del
Freeman Co 8th & Walnut Sts Yankton S Dak
Fries Tool & Machine Works Div Mayer Industries 1918 E Wayne St Fort Wayne Ind
Ganter Screw Products Inc 20 Walnut St Springfield Ohio
H&G—See Eastern Machine Screw Corp
Haber Corp 864 W North Ave Chicago 22 Ill
Hardy Mfg Corp W Pearl St Union City Ind
Hartford Machine Screw Co P O Box 1440 Hartford 2 Conn
Harvey Aluminum 19200 S Western Ave Torrance Calif (Aluminum)
Hercules Fastener Corp 2722 N Clybourn Ave Chicago 14 Ill "Sturdi-Bolt"
Herman Machine & Tool Co Kent Rd Tallmadge Ohio
Highland Mfg Co 3215 Superior Ave Cleveland 14 Ohio "Highlander"
Hill Nut Co 2620 W Flournoy St Chicago 12 Ill
Holt Products Co Walnut St Holt Mich
Hyland Machine Co 40 Potomac St Dayton 1 Ohio
Imerman Screw Products Co 6420 E Lafayette Ave Detroit 7 Mich
Imperial Brass Mfg Co 6300 W Howard St Chicago 31 Ill
Inland Automatic Inc 1108 Jackson St Omaha 8 Nebr
Kempsmith Machine Co 1819 S 71st St West Allis 14 Wis
King W C 801 E Ryder St Litchfield Ill
Lamson & Sessions Co 5000 Tiedeman Rd Cleveland 9 Ohio
Link-Belt Co Dept 59-AIPG Prudential Plaza Chicago 1 Ill
Lundberg Screw Products Co Box 1318 Lansing 4 Mich
Mac-it Parts Co Shippen & Liberty Sts Lancaster Pa
Masco Screw Products Co 12825 Ford Rd Dearborn Mich
Milwaukee Stamping Co 800 S 72nd St Milwaukee 14 Wis
Mueller Brass Co 1925 Lapeer Ave Port Huron Mich
Namco—See National Acme Co
National Acme Co 170 E 131st St Cleveland 8 Ohio "Namco"
National Screw & Mfg Co 2440 E 75th St Cleveland 4 Ohio
Neapco Products Inc South & Cross Sts Pottstown Pa
New Britain Machine Co Precision Products Div South St New Britain Conn
Ottemiller Co Wm H Pattison St & M & P R R York Pa
Parker & Harper Mfg Co 119 Dewey St Worcester 10 Mass
Peck Spring Co Whiting St Plainville Conn
Peerless Automatic Machine Co 1970 W 77th St Cleveland 2 Ohio
Perry-Fay Co 200 Perry Court Elyria Ohio
Persons-Majestic Mfg Co 54 Commercial St Worcester 8 Mass
Ravenna Metal Products Div of Standard Screw Co 6518 Ravenna Ave Seattle 15 Wash
Reda-Turner Mfg Co 311 Page Blvd Springfield 4 Mass
St Louis Screw & Bolt Co 6900 N Broadway St Louis 15 Mo
Schwitzer Corp 1125 Massachusetts Ave Indianapolis 7 Ind
Scovill Mfg Co 99 Mill St Waterbury 20 Conn
Scully Foundry & Machine Co 66 S River St Coxsackie N Y
Simplex—See Agner Simplex Co
Standard Locknut & Lockwasher Inc 2250 Valley Ave Indianapolis 18 Ind
Steinen Mfg Co 43 Bruen St Newark 5 N J
Sturdi-Bolt—See Hercules Fastener Corp
Sutton Tool Co 306 Magnolia St Sturgis Mich
Syracuse Gauge Co P O Box 51 Manlius N Y
Teale Machine Co 1425 University Ave Rochester 10 NY
Tourek Mfg Co J J 1901 S Kilbourn Ave Chicago 23 Ill
Tru-Flate—See Druge Bros Mfg Co
Turner Corp 821 Park Ave Sycamore Ill
United Screw & Bolt Corp 3590 W 58th St Cleveland Ohio
U S Automatic Corp Franklin St Amherst Ohio
Waltham Screw Co 77 Rumford Ave Waltham 54 Mass
Waltham Precision Instrument Co 221 Crescent St Waltham 54 Mass
Ware Fuse Corp 4406 W Lake St Chicago 24 Ill
Western Automatic Machine Screw Co 377 Woodland Ave Elyria Ohio
Wicaco Machine Corp 4801 Stenton Ave Philadelphia 44 Pa
Worcester Taper Pin Co 47 Lagrange St Worcester Mass
Z & W Mfg Corp 30240 Lakeland Blvd Wickliffe Ohio
Zeller Corp Fort Wayne Rd Defiance Ohio

SCREW MACHINES—See Machines, Screw

SCREW PLATES—See Dies and Screw Plates

SCREW SLOTTERS—See Blades, Metal Slitting and Screw Slotting

SCREWS, Ball Bearing

Eaton Mfg Co Saginaw Div 1000 Rust Ave Saginaw Mich
Saginaw Steering Gear Div General Motors Corp 3900 Holland Rd Saginaw Mich

SCREWS, Cap and Set

Acme Machine Products Div Serrick Corp 1300 Batavia St Muncie Ind
Allen Mfg Co Drawer 570 Hartford 1 Conn "Allen Head"
Anti-Corrosive Metal Products Co Castleton-on-Hudson N Y (Stainless steel; "Nylo-Fast" nylon)
Atlas Bolt & Screw Co 1130 Ivanhoe Rd Cleveland 10 Ohio
Bristol Co Waterbury 20 Conn
Buffalo Bolt Co Div of Buffalo-Eclipse Corp 101 East Ave North Tonawanda N Y "Circle B"
Chandler Products Corp 1491 Chardon Rd Cleveland 17 Ohio
Chicago Screw Co Div of Standard Screw Co 2701 Washington Blvd Bellwood Ill "Stanscrew"
Circle B—See Buffalo Bolt Co
Cleveland Cap Screw Co 4444 Lee Rd Cleveland 28 Ohio
Contri-Bor—See Ferry Cap & Set Screw Co
Elco Tool & Screw Corp 1111 Samuelson Rd Rockford Ill
Federal Screw Works 3401 Martin St Detroit 10 Mich
Ferry Cap & Set Screw Co 2151 Scranton Rd Cleveland 13 Ohio "Shinyheads" "Lo-Carbs" "Hi-Carbs" "Contri-Bor" (Socket and set)
Hartford Machine Screw Co P O Box 1440 Hartford 2 Conn "Stanscrew" (Socket)
Hi-Carbs—See Ferry Cap & Set Screw Co
Lamson & Sessions Co 5000 Tiedeman Rd Cleveland 9 Ohio
Lo-Carbs—See Ferry Cap & Set Screw Co
Lok-Thred—See National Screw & Mfg Co
National Screw & Mfg Co 2440 E 75th St Cleveland 4 Ohio "Lok-Thred"
Nylo-Fast—See Anti-Corrosive Metal Products Co
Point-Lok—See Set Screw & Mfg Co
Reed & Prince Mfg Co 1 Duncan Ave Worcester 1 Mass
Republic Steel Corp 1441 Republic Bldg Cleveland 1 Ohio (Cap)
Rockford Bolt & Steel Co 226 Mill St Rockford Ill
Rockford Screw Products Co 2501 Ninth St Rockford Ill
Russell Burdsall & Ward Bolt & Nut Co Port Chester N Y
Set Screw & Mfg Co 16 Main St Bartlett Ill "Nu-Cup" "Point-Lok" "Setko" (Hopper-fed headless hexagon and fluted slotted and slabbed set)
Shinyheads—See Ferry Cap & Set Screw Co
Standard Pressed Steel Co P O Box 395 Jenkintown Pa
Stanscrew—See Chicago Screw Co Div; also Hartford Machine Screw Co; also Western Automatic Machine Screw Co
Western Automatic Machine Screw Co 377 Woodland Ave Elyria Ohio "Stanscrew"

SCREWS, Drive

Allmetal Screw Products Co 821 Stewart Ave Garden City N Y (Stainless steel)
American Screw Co 1670 W Main St Willimantic Conn
Continental Screw Co 100 Mt Pleasant St New Bedford Mass "Holtite"
Elco Tool & Screw Corp 1111 Samuelson Rd Rockford Ill
Ferry Screw Products Inc E W 5240 Smith Rd Cleveland 30 Ohio (Stainless steel)
Hassall Inc John Westbury L I N Y
Hercules Fastener Corp 2722 N Clybourn Ave Chicago 14 Ill "Sturdi-Bolt"
Holtite—See Continental Screw Co
National Screw & Mfg Co 2440 E 75th St Cleveland 4 Ohio
Parker-Kalon Div General American Transportation Corp Clifton N J
Pheoli Mfg Co 5700 W Roosevelt Rd Chicago 50 Ill
Reed & Prince Mfg. Co., 1 Duncan Ave., Worcester 1, Mass.
Rockford Screw Products Co., 2501 Ninth St., Rockford, Ill.
Southern Screw Co 125 Barkley Rd Statesville N C
Sturdi-Bolt—See Hercules Fastener Corp

SCREWS, Machine

Allmetal Screw Products Co 821 Stewart Ave Garden City N Y (Stainless steel)
Aluminum Co of America 1501 Alcoa Bldg Pittsburgh 19 Pa
American-Monarch Corp 5900 Park Ave Cleveland 5 Ohio
American Screw Co 1670 W Main St Willimantic Conn
Anti-Corrosive Metal Products Co Castleton-on-Hudson N Y "Nylo-Fast" (Nylon; stainless steel)

SCREWS, Machine—continued

Atlas Bolt & Screw Co 1130 Ivanhoe Rd Cleveland 10 Ohio
Autoscrew Co 216 W 18th St New York N Y (Monel metal and stainless steel)
Auto Vehicle Parts Co 1032 Saratoga St Newport 6 Ky
Blake & Johnson Co 1498 Thomaston Ave Waterville Conn
Buffalo Bolt Co Div of Buffalo Eclipse Corp 101 East Ave North Tonawanda N Y "Circle B"
Camcar Screw & Mfg Co 600 18th Ave Rockford Ill
Central Screw Co 3501 S Shields Ave Chicago Ill
Chandler Products Corp 1491 Chardon Rd Cleveland 17 Ohio
Chase Brass & Copper Co 236 Grand St Waterbury 20 Conn
Chicago Screw Co Div of Standard Screw Co 2701 Washington Blvd Bellwood Ill "Stanscrew"
Circle B—See Buffalo Bolt Co
Continental Screw Co 100 Mt Pleasant St New Bedford Mass "Holtite"
Eagle Lock & Screw Co S Main St Terryville Conn
Elco Tool & Screw Corp 1111 Samuelson Rd Rockford Ill
Ferry Bros 3474 Theurer Ct Cleveland 9 Ohio
Ferry Screw Products Inc E W 5240 Smith Rd Cleveland 30 Ohio (Stainless steel)
Gries Reproducer Corp Beechwood Ave & Second St New Rochelle N Y (Nylon)
Hercules Fastener Corp 2722 N Clybourn Ave Chicago 14 Ill "Sturdi-Bolt"
Holtite—See Continental Screw Co
Hubbell Inc Harvey State St & Bostwick Ave Bridgeport Conn
International Screw Co 9444 Roselawn Ave Detroit Mich
Lamson & Sessions Co 5000 Tiedeman Rd Cleveland 9 Ohio
Mac-it Parts Co Shippen & Liberty St Lancaster Pa
National Lock Co 1902 Seventh St Rockford Ill
National Screw & Mfg Co 2440 E 75th St Cleveland 4 Ohio "Spin-Lock" "Tuff-Tite"
Nylo-Fast—See Anti-Corrosive Metal Products Co
Parker-Kalon Div General American Transportation Corp Clifton N J
Pheoll Mfg. Co., 5700 W. Roosevelt Rd., Chicago 50, Ill.
Progressive Mfg. Co., 52 Norwood St., Torrington, Conn.
Promco—See Torrington Co
Reed & Prince Mfg Co 1 Duncan Ave Worcester 1 Mass
Rockford Screw Products Co 2501 Ninth St Rockford Ill
Russell Burdsall & Ward Bolt & Nut Co Port Chester N Y
Scovill Mfg Co Waterville Industrial Fastener Sales 1655 Thomaston Ave Waterville 14 Conn (Slotted Phillips type clutch type and "Sems" with pre-assembled washers)
Southern Screw Co 125 Barkley Rd Statesville N C (Slotted and Phillips)
Spin-Lock—See National Screw & Mfg Co
Stanscrew—See Chicago Screw Co
Sterling Bolt Co 363 W Erie St Chicago 10 Ill
Sturdi-Bolt—See Hercules Fastener Corp
Torrington Co 59 Field St Torrington Conn "Promco"
Triplex Screw Co Div Murray Corp of America 5319 Grant Ave Cleveland Ohio
Tru-Fit Screw Products Corp 13000 Athens Ave Cleveland 7 Ohio
Tuff-Tite—See National Screw & Mfg Co
United Screw & Bolt Corp 3590 W 58th St Cleveland Ohio
Wolverine Bolt Co 9685 Grinnell Ave Detroit 13 Mich

SCREWS, Sealing

Russell Burdsall & Ward Bolt & Nut Co Port Chester N Y "Spin-Seal"
Townsend Co Engineered Fasteners Div P O Box 70 Ellwood City Pa

SCREWS, SELF-LOCKING—See Screws and Bolts, Self-Locking

SCREWS, Self-Tapping and Thread-Cutting

Allmetal Screw Products Co 821 Stewart Ave Garden City N Y (Stainless steel self-tapping)
American Screw Co 1670 W Main St Willimantic Conn
Anti-Corrosive Metal Products Co Castleton-on-Hudson N Y (Stainless steel)
Atlas Bolt & Screw Co 1130 Ivanhoe Rd Cleveland 10 Ohio
Blake & Johnson Co 1498 Thomaston St Waterville 48 Conn
Camcar Screw & Mfg Co 600 18th Ave Rockford Ill (Thread-cutting)
Central Screw Co., 3501 S. Shields Ave., Chicago 9, Ill.
Champ-Items Inc 6191 Maple Ave St Louis Mo
Continental Screw Co 100 Mt Pleasant St New Bedford Mass "Holtite"
Eagle Lock & Screw Co S Main St Terryville Conn (Self-tapping)
Eaton Mfg Co Reliance Div 25 Charles Ave S E Massillon Ohio "Reliance"
Elco Tool & Screw Corp 1111 Samuelson Rd Rockford Ill
Everlock—See Thompson-Bremer & Co
Hercules Fastener Corp 2722 N Clybourn Ave Chicago 14 Ill "Sturdi-Bolt"
Holtite—See Continental Screw Co
Lamson & Sessions Co 5000 Tiedeman Rd Cleveland 9 Ohio (Tapping)
Lightnin—See R J Loock & Co
Loock & Co R J 242 N Gay St Baltimore Md "Lightnin" (Self-tapping)
National Lock Co 1902 Seventh St Rockford Ill
National Screw & Mfg Co 2440 E 75th St Cleveland 4 Ohio "Spin-Lock" "Tuff-Tite"
Nibscrew—See Shakeproof Div of Illinois Tool Works
Parker-Kalon Div General American Transportation Corp Clifton N J
Pheoll Mfg Co 5700 W Roosevelt Rd Chicago 50 Ill (Thread cutting)
Promco—See Torrington Co
Reliance—See Eaton Mfg Co
Rockford Screw Products Co 2501 Ninth St Rockford Ill
Russell, Burdsall & Ward Bolt & Nut Co Port Chester N Y
Scovill Mfg. Co., 99 Mill St., Waterbury 20, Conn.
Scovill Mfg Co Waterville Industrial Fastener Sales 1655 Thomaston Ave Waterville 14 Conn (Phillips clutch and slotted types; also "Sems" with assembled washers)
Set Screw & Mfg Co 16 Main St Bartlett Ill (Self-tapping)
Shakeproof Div of Illinois Tool Works St Charles Rd Elgin Ill "Nibscrew" "Shakeproof"
Southern Screw Co 125 Barkley Rd Statesville N C (Slotted and Phillips type tapping)
Southington Hardware Div of Pittsburgh Screw & Bolt Corp 168 Center St Southington Conn (Slotted and Phillips type self-tapping)
Spin-Lock—See National Screw & Mfg Co
Thompson-Bremer & Co 228 N La Salle St Chicago 1 Ill "Everlock" (Thread-cutting)
Torrington Co 59 Field St Torrington Conn "Promco"
Tuff-Tite—See National Screw & Mfg Co
United Screw & Bolt Corp 3590 W 58th St Cleveland Ohio

SCREWS, Sheet Metal

Allmetal Screw Products Co 821 Stewart Ave Garden City N Y (Stainless steel)
Aluminum Co of America 1501 Alcoa Bldg Pittsburgh 19 Pa (Aluminum)
American Screw Co 1670 W Main St Willimantic Conn
Anti-Corrosive Metal Products Co Castleton-on-Hudson N Y (Stainless steel)
Atlas Bolt & Screw Co 1130 Ivanhoe Rd Cleveland 10 Ohio
Camcar Screw & Mfg Corp 600 18th Ave Rockford Ill
Central Screw Co., 3501 S. Shields Ave., Chicago 9, Ill.
Continental Screw Co 100 Mt Pleasant St New Bedford Mass "Nylok"
Ferry Bros 3474 Theurer Ct Cleveland 9 Ohio
Ferry Screw Products Inc 5240 Smith Rd Cleveland 30 Ohio
International Screw Co 9444 Roselawn Ave Detroit 4 Mich
Lamson & Sessions Co 5000 Tiedeman Rd Cleveland 9 Ohio
National Lock Co 1902 Seventh St Rockford Ill
National Screw & Mfg Co 2440 E 75th St Cleveland 4 Ohio
Nylok—See Continental Screw Co
Paine Co 3 Westgate Rd Addison Ill
Parker-Kalon Div General American Transportation Corp Clifton N J
Pheoll Mfg Co 5700 W Roosevelt Rd Chicago 50 Ill
Reed & Prince Mfg Co 1 Duncan Ave Worcester 1 Mass
Rockford Screw Products Co 2501 Ninth St Rockford Ill (Slotted Phillips type)
Scovill Mfg Co Waterville Industrial Fastener Sales 1655 Thomaston Ave Waterville 14 Conn (Slotted, Phillips and clutch types)
Shakeproof Div of Illinois Tool Works St Charles Rd Elgin Ill
Southern Screw Co 125 Barkley Rd Statesville N C (Slotted and Phillips types)
Triplex Screw Co Div Murray Corp of America 5319 Grant Ave Cleveland Ohio
Tru-Fit Screw Products Corp 13000 Athens Ave Cleveland 7 Ohio

SCREWS, THREAD-CUTTING—See Screws, Self-Tapping and Thread-Cutting

SCREWS, Thumb

Allmetal Screw Products Co 821 Stewart Ave Garden City N Y (Stainless steel)
Anti-Corrosive Metal Products Co Castleton-on-Hudson N Y (Stainless steel)
Billings & Spencer Co 1 Laurel St Hartford 1 Conn
Blake & Johnson Co 1498 Thomaston Ave Waterville Conn
Central Screw Co 3501 S Shields Ave Chicago 9 Ill
GRC—See Gries Reproducer Corp
Gries Reproducer Corp Beechwood Ave & Second St New Rochelle N Y "GRC"
Keystone Forging Co Northumberland Pa
National Screw & Mfg Co 2440 E 75th St Cleveland 4 Ohio "Tuff-Tite"
Parker-Kalon Div General American Transportation Corp Clifton N J
Pheoll Mfg Co 5700 W Roosevelt Rd Chicago 50 Ill
Sterling Bolt Co 363 W Erie St Chicago 10 Ill
United Screw & Bolt Corp 3590 W 58th St Cleveland Ohio
Williams & Co J H 400 Vulcan St Buffalo 7 N Y

SCREWS, Valve Tappet Adjusting

Chicago Screw Co Div of Standard Screw Co 2701 Washington Blvd Bellwood Ill
Ferry Cap & Set Screw Co 2151 Scranton Rd Cleveland 13 Ohio

SCREWS, Wood

Anti-Corrosive Metal Products Co Castleton-on-Hudson N Y (Stainless steel)
Continental Screw Co 100 Mt Pleasant St New Bedford Mass
Elco Tool & Screw Corp 1111 Samuelson Rd Rockford Ill
National Screw & Mfg Co 2440 E 75th St Cleveland 4 Ohio "Tuff-Tite"
Reed & Prince Mfg Co 1 Duncan Ave Worcester 1 Mass
Southern Screw Co 125 Barkley Rd Statesville N C (Slotted and Phillips type)

SCREWS and BOLTS, Recessed Head

Allmetal Screw Products Co 821 Stewart Ave Garden City N Y (Stainless steel)
American Screw Co 1670 W Main St Willimantic Conn (Phillips type)
Atlas Bolt & Screw Co 1130 Ivanhoe Rd Cleveland 10 Ohio
Bristol Co Waterbury 20 Conn
Camcar Screw & Mfg Co 600 18 Ave Rockford Ill
Central Screw Co., 3501 S. Shields Ave., Chicago 9, Ill. (Phillips type.)
Chandler Products Corp 1491 Chardon Rd Cleveland 17 Ohio "Place" (Bolts; licensees)
Chicago Screw Co Div of Standard Screw Co 2701 Washington Blvd Bellwood Ill "Stanscrew"
Cleveland Cap Screw Co 4444 Lee Rd Cleveland 28 Ohio
Continental Screw Co 100 Mt Pleasant St New Bedford Mass "Holtite" (Phillips type)
Elco Tool & Screw Corp 1111 Samuelson Rd Port Chester N Y (Phillips and clutch types)
Harper Co H M 2624 Fletcher St Chicago 18 Ill (Phillips type)
Hercules Fastener Corp 2722 N Clybourn Ave Chicago 14 Ill "Sturdi-Bolt" (Phillips type)
Holtite—See Continental Screw Co
International Screw Co 9444 Roselawn Ave Detroit Mich (Phillips type)
Lamson & Sessions Co 5000 Tiedeman Rd Cleveland 9 Ohio (Phillips type)
Milford Rivet & Machine Co Post Rd Milford Conn (Phillips type screws)
National Screw & Mfg Co 2440 E 75th St Cleveland 4 Ohio "Spin-Lock" (Phillips type)
Parker-Kalon Div General American Transportation Corp Clifton N J (Phillips type screws)
Pheoll Mfg Co 5700 W Roosevelt Rd Chicago 50 Ill (Phillips type)
Place—See Chandler Products Corp
Promco—See Torrington Co
Reed & Prince Mfg Co 1 Duncan Ave Worcester 1 Mass

Rockford Screw Products Co 2501 Ninth St Rockford Ill (Phillips and clutch types)
Russell Burdsall & Ward Bolt & Nut Co Port Chester N Y (Phillips and clutch types)
Scovill Mfg Co 99 Mill St Waterbury 20 Conn (Phillips type)
Scovill Mfg Co Waterville Screw Products Div Waterville 48 Conn (Phillips type)
Shakeproof Div of Illinois Tool Works St Charles Rd Elgin Ill
Southern Screw Co 125 Barkley Rd Statesville N C (Slotted and Phillips types)
Spin-Lock—See National Screw & Mfg Co
Stanscrew—See Chicago Screw Co; also Western Automatic Machine Screw Co
Sterling Bolt Co 363 Erie St Chicago 10 Ill (Phillips type)
Sturdi-Bolt—See Hercules Fastener Corp
Torrington Co 59 Field St Torrington Conn "Promco"
Triplex Screw Co Div Murray Corp of America 5319 Grant Ave Cleveland Ohio (Phillips type)
Vol-Shan Mfg Co 3463 Higuera St Culver City Calif (Phillips type)
Western Automatic Machine Screw Co 377 Woodland Ave Elyria Ohio "Stanscrew"

SCREWS and BOLTS, Self-Locking

Bristol Co Waterbury 20 Conn
Central Screw Co 3501 S Shields Ave Chicago 9 Ill
Chandler Products Corp 1491 Chardon Rd Cleveland 17 Ohio "Place" (Bolts licensees)
Chicago Screw Co Div of Standard Screw Co 2701 Washington Blvd Bellwood Ill
Cleveland Cap Screw Co 4444 Lee Rd Cleveland 28 Ohio
Continental Screw Co 100 Mt Pleasant St New Bedford Mass "Holtite" "Thredlock" & "Spin-Lock"
Flex-Head—See National Screw & Mfg Co
Holtite—See Continental Screw Co
Lamson & Sessions Co 5000 Tiedeman Rd Cleveland 9 Ohio "Dardelet" (Licenses); "Lok-Thred" (Sub-licensee)
Lok-Thred—See National Screw & Mfg Co
Milford Rivet & Machine Co Post Rd Milford Conn (Screws)
National Screw & Mfg Co 2440 E 75th St Cleveland 4 Ohio "Flex-Head"; "Lok-Thred" "Place" (Bolts licensees)
Nylok Corp 611 Industrial Ave Paramus N J
Place—See Chandler Products Corp; also National Screw & Mfg Co
Russell, Burdsall & Ward Bolt & Nut Co Port Chester N Y "Spin-Lock" "Tensilock" (Screws)
Set Screw & Mfg Co 16 Main St Bartlett Ill "Zip-Grip" (Set screws)
Shakeproof Div of Illinois Tool Works St Charles Rd Elgin Ill
Spin-Lock—See Russell Burdsall & Ward Bolt & Nut Co also Continental Screw Co
Tensilok—See Russell Burdsall & Ward Bolt & Nut Co
Thredlock—See Continental Screw Co
Triplex Screw Co Div Murray Corp of America 5319 Grant Ave Cleveland Ohio (Preassembled)
Zip-Grip—See Set Screw & Mfg Co

SCRIBERS, Machinists'

Brown & Sharpe Mfg Co 235 Promenade St Providence R I
Goodell-Pratt—See Millers Falls Co
Lufkin Rule Co 1730 Hess Ave Saginaw Mich
Mayhew Steel Products Inc Shelburne Falls Mass
Millers Falls Co 57 Wells St Greenfield Mass "Goodell-Pratt"
Starrett Co L S 1 Crescent St Athol Mass

SEALANTS, Bolt and Nut

American Sealants Co 113 Woodbine St Hartford 6 Conn

SEALS, Mechanical Shaft

American Felt Co Glenville Conn "Oil Foil"
Chicago-Allis Mfg Corp 113 N Green St Chicago 7 Ill
Garlock Packing Co 402 Main St Palmyra N Y "Mechanipak"
Koppers Co Metal Products Div 200 Scott St Baltimore 3 Md
Mechanipak—See Garlock Packing Co
Oil Foil—See American Felt Co
Victor Mfg & Gasket Co 5750 W Roosevelt Rd Chicago 50 Ill

SEALS, Metallic Bellow

Chicago Rawhide Mfg Co 1301 Elston Ave Chicago 22 Ill C/R

SEALS, OIL AND GREASE—See Rings & Seals, Oil & Grease Retaining

SEALS, Valve

(To control oil loss through valve guide)
Perfect Circle Corp 552 S Washington St Hagerstown Ind

SEAMING MACHINES METAL — See Machine, Seaming (Metal)

SEARCHLIGHTS — See Lamps, Head; also Lamps, Fog, Road and Spot

SEAT ADJUSTERS — See Adjusters, Driver's Seat

SEAT COVER MATERIAL — See Fabric, Coated Cloth; Fabric, Fibre (Seat Cover); Fabric, Plastic; Fabric, Seat Cover (Woven)

SEAT CUSHIONS—See Cushions, Seat

SEAT FRAMES—See Frames, Seat

SEAT MOUNTINGS, RUBBER INSULATED —See Mountings, Rubber Insulated

SEAT PADS—See Pads, Seat

SEAT SWITCHES—See Switches, Seat and Window (Electric)

SEATS, Bus

American Karpen—See American Seating Co
American Seating Co Ninth St & Broadway Grand Rapids Mich "Amseco Bodiform" "American Karpen"
Amesbury Seat Mfg. Co., 200 S. River St., Ypsilanti, Mich.
Amseco Bodiform—See American Seating Co
Freedman Co Hyman 1825 W Newport Ave Chicago 13 Ill
General Seating Co 220 Main St Topton Pa
National Seating Co 555 Park Ave E Mansfield Ohio (Sole distributors, George B Cross Co 624 S Michigan Ave Chicago 5 Ill)
Transportation Seating Div of American Wicker Works 1312 Harmon Pl Minneapolis 3 Minn
Troy Sunshade Co., Troy, Ohio.
United States Rubber Co., Rockefeller Center, 1230 Ave. of the Americas, New York 20, N. Y.

SEATS, Tractor

Freedman Co Hyman 1825 W Newport Ave Chicago 13 Ill (Upholstered)
Perma Seating Co 8770 Kinsman Rd Cleveland 4 Ohio (Upholstered)

SEATS, Truck

American Seating Co Ninth St & Broadway Grand Rapids Mich "Tilt-A-Way"
Bostrom Corp 133 W Oregon St Milwaukee 4 Wis "Level Ride" (Spring suspension)
Comfort Cushion Co., 5062 Lorraine Ave., Detroit 8 Mich
Freedman Co Hyman 1825 W Newport Ave Chicago 13 Ill
General Seating Co 220 Main St Topton Pa
Ionia Mfg Co Div of Mitchell-Bentley Corp 121 S Dexter St Ionia Mich
Level Ride—See Bostrom Corp
Milsco Mfg Co 2758 N 33rd St Milwaukee Wis (Foam rubber)
Monroe Auto Equipment Co., 1426 E. First St., Monroe, Mich. (Spring suspension.)
National Seating Co 555 Park Ave E Mansfield Ohio (Sole distributors, George B Cross Co 624 S Michigan Ave Chicago 5 Ill)
Perma Seating Co 8770 Kinsman Rd Cleveland 4 Ohio (Upholstered)
Tilt-A-Way—See American Seating Co
Transportation Seating Div of American Wicker Works 1312 Harmon Pl Minneapolis 3 Minn
Troy Sunshade Co Troy Ohio
United States Rubber Co Rockefeller Center 1230 Ave of the Americas New York 20 N Y

SEATS, Valve

Aluminum Industries Inc 3670 Werk Rd Cincinnati 11 Ohio "Permite"
Bull Dog—See Jambor Tool & Stamping Co
Burd Piston Ring Co Box 567 Eau Claire Wis
Chieftain—See Wausau Motor Parts Co
Duracrome—See Thompson Products Valve Div
Duralite—See Thompson Products Valve Div
Eaton Mfg Co Saginaw Div 1000 Rust St Saginaw Mich
Haynes Stellite Co 725 S Lindsay St Kokomo Ind
Hub City Iron Co 218 First Ave S W Aberdeen S D
Jambor Tool & Stamping Co 3057 N 30th St Milwaukee 10 Wis "Bull Dog"
Lee Co K O Congress at First Ave S E Aberdeen S D
P-B—See Peterson Machine Tool Inc
Par-Plus—See Parts Processing Corp
Parts Processing Corp 1499 E Michigan Ave Battle Creek Mich "Par-Plus"
Perfect-Parts Inc 43 W 23rd St New York 10 N Y
Permite—See Aluminum Industries Inc
Peterson Machine Tool Inc 6200 Merriam Dr Merriam Kans "P-B" (Screw-in type)
RMC—See Rich Mfg Corp
Rich Mfg Corp 96 N Division St Battle Creek Mich "RMC"
Superior—See White Machine Works
Thompson Products Valve Div Thompson-Ramo-Woolridge Inc 1455 E 185th St Cleveland 10 Ohio "Duralite" "Duracrome"
Toledo Steel Products Div of Thompson-Ramo-Woolridge Inc 6402 Cedar Rd Cleveland 3 Ohio
Versnick Mfg Co Madisonville Ky
Wausau Motor Parts Co P O Box 318 Schofield Wis "Chieftain"
Wells Inc Martin 5886 Compton Ave Los Angeles 1 Calif "Well-Tite"
White Machine Works 1401 Bellevue Ave Eau Claire Wis "Superior"

SEMAPHORES—See Signals, Direction Indicating (Auto)

SEPARATORS, Air-Fluid (For Air Suspension Systems)

AC Electronics Div of General Motors 1300 N Dort Highway Flint 2 Mich

SEPARATORS, Chip

(For separating oil or chips from cut-off finished parts)
American Laundry Machinery Co Norwood Station Cincinnati 12 Ohio
Barnes Drill Co., 826 Chestnut St., Rockford, Ill. "Barnesdrill"
CFC—See Indiana Commercial Filters Corp
Indiana Commercial Filters Corp 415 Indianapolis Ave Lebanon Ind "CFC" (Magnetic)
Ransohoff Inc N N Fifth St & Ford Blvd Hamilton Ohio

SEPARATORS, Compressed Air

Adams Co R P 264 E Park Dr Buffalo 17 N Y

SEPARATORS, Storage Battery

Ace-Duo-Sil—See American Hard Rubber Co
Ace-Sil—See American Hard Rubber Co
American Hard Rubber Co Div Amerace Corp Ace Rd Butler N J "Ace-Duo-Sil" "Ace-Sil"
Arrow Mill Co 2440 Arrow Mill Ave Los Angeles 23 Calif
Darak—See Dewey & Almy Chemical Div
Dewey & Almy Chemical Div W R Grace & Co 62 Whittemore Ave Cambridge 40 Mass "Darak"
Evans Products Co 13101 Eckles Rd Plymouth Mich "Evanite" (Wood-fibre)
Gould-National Batteries Inc Industrial Div 467 Calhoun St Trenton 7 N J
Peerless—See United States Rubber Co
United States Rubber Co Rockefeller Center 1230 Ave of the Americas New York 20 N Y "Peerless" (Rubber and plastic)

SETS, DIE—See Die Sets (Forging, Stamping, etc.)

SETS, Rivet

Peck, Stow & Wilcox Co 217 Center St Southington Conn "Pexto"
Pexto—See Peck, Stow & Wilcox Co

SETS, WIRING—See Cables (Sets)

SETTERS, Stud, Nut, Bolt and Lag Screw

Airetool Mfg Co Springfield Ohio
Apex Machine & Tool Co 1025 Patterson Blvd Dayton Ohio
Aro Equipment Co Bryan Ohio (Portable pneumatic nut)
Atmars Tool Co 600 16th St Oakland 12 Calif "Pushon"
Buckeye Tools Corp 5005 Springboro Pike Dayton 9 Ohio (Portable electric and pneumatic runners)

SETTERS, Stud, Nut, Bolt and Lag Screw —continued

Chicago Pneumatic Tool Co 6 E 44th St New York 17 N Y "Universal" "Magnamatic"
Cleco Div of Reed Roller Bit Co 5125 Clinton Drive Houston 1 Tex (Portable pneumatic)
Clinchor—See Tomkins-Johnson Co
Cornwell Quality Tools Co Mogadore Ohio
Detroit Power Screwdriver Co Dept 59-AIPG 2801 W Fort St Detroit 16 Mich
Dixon Automatic Tool Inc 2300 23rd Ave Rockford Ill (Portable pneumatic nut)
Economy—See Hunter Tools
Errington Mechanical Laboratory Inc 24 Norwood Ave Stapleton S I 4 N Y
Fairmount Tool & Forging Inc 10611 Quincy Ave Cleveland 6 Ohio (Screw)
Gardner-Denver Co S Front St Quincy Ill (Portable pneumatic nut)
Garvin Bros Inc 1988 State Line Rd South Bend Ind "Power-Torque"
Herbrand Div Bingham-Herbrand Corp Lake & Stone Sts Fremont Ohio (Screw)
Hunter Tools 9851 Alburtis Ave Santa Fe Springs Calif "Economy" "Supreme"
Ingersoll-Rand Co 11 Broadway New York 4 N Y (Pneumatic and electric)
Magnamatic—See Chicago Pneumatic Tool Co
Master Power Corp Krick Rd Bedford Ohio (Portable pneumatic nut)
Millers Falls Co 57 Wells St Greenfield Mass
Milwaukee Electric Tool Co 5350 W State St Milwaukee 8 Wis (Portable electric nut)
Oxwall Tool Co 928 Broadway N Y 10 N Y (Nut)
Power-Torque—See Garvin Bros Inc
Proto Tools Co 2209 Santa Fe Ave Los Angeles 54 Calif (Stud)
Pushon—See Atmars Tool Co
Rimac—See Rinck-Mellwaine Inc
Rinck-Mellwaine Inc 16 Hudson St N Y 13 N Y "Rimac"
Rotor Tool Co 23600 Lakeland Ave Cleveland 32 Ohio (Portable pneumatic nut)
Rovtar Tool-Die Mfg Co 2230 S Wood St Chicago 8 Ill (Nut)
Skil Corp 5033 Elston Ave Chicago 30 Ill "Skil Driver" (Portable electric nut)
Supreme—See Hunter Tools
Thor Power Tool Corp 175 State St Aurora Ill (Portable electric and portable pneumatic nut)
Titan Tool Co E Main St Fairview Erie County Pa (Stud; also combination stud driver and remover)
Tomkins-Johnson Co 2425 W Michigan Ave Jackson Mich "Clinchor"
United States Electrical Tool Co 3620 Llewelyn St Cincinnati 23 Ohio
Universal—See Chicago Pneumatic Tool Co

SEWING MACHINES—See Machines, Sewing

SHACKLE BOLTS—See Bolts, Spring Shackle

SHACKLES, Spring

Alco—See Alloy Mfg Co
Alloy Mfg Co 3207 S Shields Ave Chicago 16 Ill "Alco" "Alloy" "Quality Built"
Aluminum Industries Inc 3670 Werk Rd Cincinnati 11 Ohio "Permite" (Rubber)
Bull Dog—See Jambor Tool & Stamping Co
Cleveland—See H K Porter Co
Elgin Machine Works Inc 412 N State St Elgin Ill
Ertel Products Co Repl Div of Ertel Mfg Corp 1402 E 20th St Indianapolis 7 Ind
Gilpak Automotive Products Div Packer Auto Parts Inc Roselle N J
Jambor Tool & Stamping Co 3057 N 30th St Milwaukee Wis "Bull Dog" (Rubber, for Ford, Chevrolet and Plymouth cars)
Moog Industries Inc 6565 Wells Ave St Louis 33 Mo
National—See Wheel Parts & Mfg Co
Permite—See Aluminum Industries Inc
Porter Co H K Forge & Fittings Div Cleveland Forge Works 3200 E 79th St Cleveland 4 Ohio "Cleveland"
Quality Built—See Alloy Mfg Co
Republic Engrg & Mfg Co 6565 Wells Ave St Louis 14 Mo
Toledo Steel Products Div of Thompson-Ramo-Woolridge Inc 6402 Cedar Rd Cleveland 3 Ohio
Trayer Products Inc E Clinton St Elmira N Y (Screw type rubber)
Wheel Parts & Mfg Co 352 Fourth Ave New York 10 N Y "National"

SHAFTING, Flexible

(For driving speedometers, odometers or taximeters; also for drilling, grinding, polishing machines, etc.)

AC Spark Plug The Electronics Div of General Motors 1300 N Dort Highway Flint 2 Mich (Assemblies)
Albertson & Co 3100 Lowell Ave Sioux City Iowa "Sioux"
Barbour-Stockwell Instruments Div of Curtis & Marble Machine Co 80 Cambridge St Worcester 3 Mass "Reliance"
Blackstone Mfg Co 4630 W Harrison St Chicago 44 Ill (Speedometer)
Circle Ess—See F W Stewart Mfg Corp
Duro-Flex—See Hall Products Div
Electric Auto-Lite Co Toledo 1 Ohio
Gilpak Automotive Products Div Packer Auto Parts Inc Roselle N J (Speedometer)
Hall Lamp Co C M 1035 E Hancock Ave Detroit Mich
Hall Products Div of C M Lamp Co 1035 E Hancock Ave Detroit 7 Mich "Duro-Flex"
Hygrade Products Div Standard Motor Products Inc 37-18 Northern Blvd Long Island City N Y (Speedometer)
Jarvis Corp Middletown Conn
Kupfrian Mfg Corp 395 State St Binghamton N Y
National—See Wheel Parts & Mfg Co
Paragon Products Corp 140 Astor St Newark 5 N J "Vulcan" (Speedometer; sole distributors Vulcan Motor Products Inc 1060 Broad St Newark 2 N J)
Parco—See Parts Mfg Co
Parts Mfg Co 311 W 66 St N Y 23 N Y "Parco"
Perfection Automotive Products Corp 925 W Elizabeth St Detroit 1 Mich
Preferred Electric & Wire Co Bush Terminal Bldg No. 8 Brooklyn 32 N Y
Reliance—See Barbour-Stockwell Instruments Div
Rotoflex—See Teleflex Industrial Products Inc
S S—See Speedometer Service Co
Sioux—See Albertson & Co.
Speedoflex—See United Parts Mfg Co
Speedometer Service Co., 151 Forest St., Montclair, N. J. "S. S."
Stewart Mfg Corp F W 4311 N Ravenswood Ave Chicago Ill "Circle Ess"
Stewart-Warner Corp Instrument Div 1826 Diversey Parkway Chicago 14 Ill
Stow Mfg Co 443 State St Binghamton N Y (Heavy duty)
Teleflex Industrial Products Inc Fourth & Burke Sts Boyertown Pa "Rotoflex" "Teleflex" (For trucks and buses)
United Parts Mfg Co 1250 W Van Buren St Chicago 7 Ill "Speedoflex"
United States Taximeter Co 514 W 54th St New York 19 N Y
Valley Forge Products Inc 370 19th St Brooklyn 15 N Y
Vulcan—See Paragon Products Corp
Wheel Parts & Mfg Co 352 Fourth Ave N Y 10 N Y "National" (Speedometer)
White Dental Mfg Co SS Industrial Div 10 E 40th St N Y 16 N Y
Wyzenbeek & Staff Inc 223 N California Ave Chicago 12 Ill "Wyco"
Wyco—See Wyzenbeek & Staff Inc

SHAFTS, CAM—See Camshafts

SHAFTS, CLUTCH—See Shafts, Transmission and Clutch

SHAFTS, CRANK—See Crankshafts

SHAFTS, Propeller

(Shafts only; for universal joints—see Joints, Universal)

Cleveland Steel Products Corp 16025 Brookpark Rd Cleveland 35 Ohio
Dana Corp 4100 Bennett Rd Toledo 1 Ohio "Spicer"
Detroit Universal Div Chrysler Corp 6455 Kingsley Ave Dearborn Mich
Dittmer Gear & Mfg Corp 193 Grand St Lockport N Y
Lempco Products Inc 5490 Dunham Rd Bedford Ohio
Mechanics Universal Joint Div., Borg-Warner Corp., 2020 Harrison Ave., Rockford, Ill.
Morflex—See Morse Chain Co
Morse Chain Co Itaca N Y "Morflex"
Neapco Products Inc South & Cross Sts Pottstown Pa
Republic Gear Co 2197 Beaufait Ave Detroit 7 Mich
Rockwell-Standard Corp Transmission & Axle Div 100 Clark Ave Detroit 32 Mich "Timken-Detroit"
Rockwell-Standard Corp Universal Joint Div 1 Glass St Allegan Mich
Saginaw Steering Gear Div General Motors Corp 3900 Holland Rd Saginaw Mich
Spencer Mfg Co 225 N Main St Spencer Ohio
Spicer—See Dana Corp
Timken-Detroit — See Rockwell-Standard Corp
U S Axle Co Water St Pottstown Pa

SHAFTS, Rear Axle

(Shafts only; for complete axles—See Axles, Rear)

Canton Drop Forging & Mfg. Co., 207 12th St., S. E., Canton, Ohio.
Detroit Bevel Gear Co., 8130 Jos. Campau Ave., Detroit 11, Mich.
Eaton Mfg Co Axle Div 739 E 140th St Cleveland 10 Ohio
Eaton Mfg Co Marion Forge Div Route 95 W Marion Ohio
Foote Axle & Forge Co 3954 Whiteside St Los Angeles 63 Calif
International Parts Corp 4101 W 42nd Pl Chicago 32 Ill
Lempco Products Inc 5490 Dunham Rd Bedford Ohio
Napco Industries Inc Napco Axle Div 834 N Seventh St Minneapolis 11 Minn
Republic Gear Co 2197 Beaufait Ave Detroit 7 Mich
Rockwell-Standard Corp Transmission & Axle Div 100 Clark Ave Detroit 32 Mich "Timken-Detroit"
Saco-Lowell Automotive Div Saco-Lowell Shops 10340 Putnam Ave Detroit Mich
Spencer Mfg Co 225 N Main St Spencer Ohio
Timken-Detroit — See Rockwell-Standard Corp
U S Axle Co Inc Water St Pottstown Pa

SHAFTS, Transmission and Clutch

Detroit Bevel Gear Co 8130 Jos Campau Ave Detroit 11 Mich
Dittmer Gear Div Borg-Warner Corp Auburn Ind
Double Diamond—See Automotive Gear Div Eaton Mfg Co
Eaton Mfg Co Automotive Gear Div S 8th & O Sts Richmond Ind "Double Diamond" (Transmission)
Modern Machine Works Inc 5357 S Kirkwood Ave Cudahy Wis
Toledo Steel Products Co 724 Monroe St Toledo 1 Ohio (Pump)

SHAFTS, Valve Rocker Arm

Jambor Tool & Stamping Co 3057 N 30th St Milwaukee 10 Wis
Chicago Screw Co Div of Standard Screw Co 2701 Washington Blvd Bellwood Ill

SHAFTS, Water Pump

(See also Parts, Water Pump)

Aluminum Industries Inc 3670 Werk Rd Cincinnati 11 Ohio "Permite"
Brown Corp 213 Bellevue Ave Syracuse N Y
Bull Dog—See Jambor Tool & Stamping Co.
Chicago Screw Co Div of Standard Screw Co 2701 Washington Blvd Bellwood Ill
Jambor Tool & Stamping Co 3057 N 30th St Milwaukee 10 Wis "Bull Dog" (For Ford Chevrolet & Plymouth cars)
Modern Machine Works, Inc., 5357 S. Kirkwood Ave., Cudahy, Wis.
OSP—See Ottawa Steel Products, Inc.
Ottawa Steel Products, Inc., 745 Woodlawn Ave., Grand Haven, Mich. "OSP."
Permite—See Aluminum Industries, Inc.

SHAPERS, Metal

Atlas Press Co 1842 N Pitcher St Kalamazoo Mich "Atlas" & "Clausing"
Cincinnati Shaper Co P O Box 111 Cincinnati 11 Ohio
Clausing—See Atlas Press Co
Delta-Rockwell—See Rockwell Mfg Co
G & E—See Gould & Eberhardt Div of Norton Co
Gould & Eberhardt Div of Norton Co Worcester 6 Mass "G & E"
Hy-Draulic—See Rockford Machine Tool Co.
Logan Engineering Co., 4901 W. Lawrence Ave., Chicago 30, Ill.
Mesta Machine Co., Box 1466, Pittsburgh 30, Pa.
Michigan Tool Co 7171 McNichols Rd E Detroit 12 Mich "Shear Speed" (Special for gears, etc)
Morton Mfg. Co., Broadway & Hoyt St., Muskegon Heights, Mich.
Pratt & Whitney Co Charter Oak Blvd West Hartford 1 Conn (Vertical)
Rockford Machine Tool Co., 2400 Kishwaukee St., Rockford, Ill. "Hy-Draulic."

Rockwell Mfg Co Delta Power Tool Div 400 N Lexington Ave Pittsburgh 8 Pa "Delta-Rockwell"
Shear Speed—See Michigan Tool Co
Sheldon Machine Co 4240 N Knox Ave Chicago 41 Ill
Smith & Mills Shaper Div Nebel Machine Tool Co 3401 Central Parkway Cincinnati 25 Ohio
South Bend Lathe Works 425 E Madison St South Bend 22 Ind
Steptoe—See Western Machine Tool Works
Western Machine Tool Works 255 W Ninth St Holland Mich "Steptoe" "Steptoe-Western"

SHAPERS, Wood

Beach Mfg. Co., Mill & High Sts., Montrose, Pa.
Boice-Crane Co., 930 W. Central Ave., Toledo 6, Ohio.
Colladay Machine Works, 125 E. Luray St., Philadelphia 20, Pa.
Delta-Rockwell—See Rockwell Mfg Co
De Walt Inc Fountain Ave Lancaster Pa
Goodspeed Machine Co 202 Spruce St Winchendon Mass
Greenlee Bros & Co 1702 Mason Ave Rockford, Ill.
Moak Machine & Tool Co., 2547 Connor St., Port Huron Mich
Onsrud Machine Works Inc Machine Tool Div 7720 N Lehigh Ave Niles 48 Ill (Hand and automatic))
Power & Co L 2810 Oakford St Philadelphia 46 Pa
Rockwell Mfg Co Delta Power Tool Div 400 N Lexington Ave Pittsburgh 8 Pa "Delta-Rockwell"
Wallace & Co J D 800 N Detroit St Warsaw Ind
Whitney & Son Baxter D 507 Jackson St Greensboro N C
Yates-American Machine Co Beloit Wis

SHARPENERS, REAMER — See Machines, Grinding (Reamer & Cutter)

SHARPENERS, SAW—See Machines, Grinding (Saw)

SHEARS, Alligator

Canton—See Hill Acme Co "Canton" Div
Coulter & McKenzie Machine Co 35 Union Ave Bridgeport Conn
D & K—See Doelger & Kirsten Inc
Doelger & Kirsten Inc 3015 W Chambers St Milwaukee Wis "Milwaukee" "D & K"
Hendley & Whittemore Co Box 959 Beloit Wis
Hill Acme Co "Canton" Div 1201 W 65th St Cleveland 2 Ohio "Canton"
Mesta Machine Co., Box 1466, Pittsburgh 30, Pa.
Milwaukee—See Doelger & Kirsten, Inc.

SHEARS, Jig (Motor Driven)

SL—See St. Louis Tool Co.
St. Louis Tool Co., 6100 Prescott St., St. Louis 15, Mo. "SL"

SHEARS, Knife

Cincinnati Shaper Co P O Box 111 Cincinnatic 11 Ohio
Cleveland Punch & Shear Works Co., 3917 St. Clair Ave., Cleveland, Ohio.
Diamond Machine Tool Co 5111 Coffman-Pico Rd Pico Calif
Di-Acro—See O'Neil-Irwin Mfg Co
Excelsior Tool & Machine Co 31st St & Ridge Ave East St Louis Ill
Heavy Machine Div Cleveland Crane & Engrg Co 5867 E 289th St Wickliffe Ohio "Steelweld"
Hill Acme Co Hill Div 1201 W 65th St Cleveland 2 Ohio (Bar-billet)
Kling Bros Engrg Works 1320 N Kostner Ave Chicago 51 Ill
Lodge & Shipley Co 3055 Colerain Ave Cincinnati 25 Ohio
Mackintosh-Hemphill Div E W Bliss Co 901 Bingham St S S Pittsburgh 3 Pa
Martindale Electric Co 1340 Hird Ave Cleveland 7 Ohio
Mesta Machine Co., Box 1466, Pittsburgh 30, Pa.
Niagara Machine & Tool Works, 683 Northland Ave., Buffalo 11, N. Y.
O'Neil-Irwin Mfg Co 514 Eighth Ave Lake City Minn "Di-Acro"
Peck Stow & Wilcox Co 217 Center St Southington Conn "Pexto"
Pexto—See Peck Stow & Wilcox Co
Simonds Saw & Steel Co 470 Main St Fitchburg Mass
Steelweld—See Heavy Machine Div Cleveland Crane & Engrg Co

SHEARS, Portable Electric

Black & Decker Mfg Co 629 Pennsylvania Ave Towson 4 Md "Porto-Shear"
Millers Falls Co 57 Wells St Greenfield Mass
Porto-Shear—See Black & Decker Mfg Co
Skil Corp 5033 Elston Ave Chicago 30 Ill "SkilShear"
Stanley Electric Tools, Div. of Stanley Works, 480 Myrtle Ave., New Britain, Conn. "Stanley Unishear."

SHEARS, Rotary

Bliss Co E W 1420 Hastings St Toledo 7 Ohio
Browne & Sharpe Mfg Co 235 Promenade St Providence R I
Cowles Tool Co., 2086 W. 110th St., Cleveland, Ohio
Die & Automation Inc 5353 Dixie Highway Hamilton Ohio "Shear-Matic" (Automatic)
Illinite—See Illinois Tool Works
Illinois Tool Works, 2501 N. Keeler Ave., Chicago 39 Ill "Illinite"
Kling Bros Engrg Works 1320 N Kostner Ave Chicago 51 Ill
Niagara Machine & Tool Works, 683 Northland Ave., Buffalo 11, N. Y.
Peck, Stow & Wilcox Co., 217 Center St., Southington, Conn. "Pexto."
Pexto—See Peck, Stow & Wilcox Co.
Shear-Matic—See Die & Automation Inc
Simonds Saw & Steel Co 470 Main St Fitchburg Mass
Yoder Co., 5500 Walworth Ave., Cleveland 2, Ohio.

SHEARS, Slitting

Bertsch & Co., Cambridge City, Ind.
Bliss Co E W 1375 Raff Rd S W Canton Ohio
Cleveland Punch & Shear Works Co., 3917 St. Clair Ave., Cleveland, Ohio.
Fitchburg Engrg Corp Cleghorn St Fitchburg Mass
Heinrich Tools Inc 2707 Industrial Drive Racine Wis "Heinrich Handnib"
Hendley & Whittemore Co Box 959 Beloit Wis
Loma Machine Mfg Co 114 E 32nd St New York 16 N Y
Niagara Machine & Tool Works, 683 Northland Ave., Buffalo 11, N. Y.
Peck, Stow & Wilcox Co., 217 Center St., Southington, Conn. "Pexto."
Pexto—See Peck, Stow & Wilcox Co
Simonds Saw & Steel Co 470 Main St Fitchburg Mass
Union Tool Corp 800 N Detroit St Warsaw Ind
Whitney Metal Tool Co 190 Forbes St Rockford Ill "Whitney-Jensen"
Yoder Co 5553 Walworth Ave Cleveland 2 O (Rotary gang)

SHEARS, Squaring (Metal)

Cincinnati Shaper Co P O Box 111 Cincinnati 11 Ohio
Diamond Machine Tool Co 5111 Coffman-Pico Rd Pico Calif
Famco Machine Co 3100 Sheridan Rd Kenosha Wis
Johnson Machine & Press Corp 620 W Indiana Ave Elkhart Ind (Hydraulic)
Wysong & Miles Co 625 Fulton St Greensboro N C

SHEARS and SNIPS, Metal

All-Alloy—See Bremil Mfg Co
Bergman Tool Mfg. Co., 1673 Niagara St., Buffalo 13, N. Y. "Blue Bird."
Blue Bird—See Bergman Tool Mfg. Co.
Blue Point—See Snap-On Tools Corp.
Boker & Co H 101 Duane St New York 7 N Y "Tru Brand"
Bremil Mfg Co 1020 Holland St Erie Pa "All-Alloy"
Dixon, Inc., William, 32 E. Kinney St., Newark, N. J.
Kraeuter & Co 585 18 Ave Newark 3 N J
Niagara Machine & Tool Works, 683 Northland Ave., Buffalo 11, N. Y.
Peck, Stow & Wilcox Co., 217 Center St., Southington, Conn.
Proto Tools Co 2209 Santa Fe Ave Los Angeles 54 Calif
St Pierre Chain Corp Frank St Worcester Mass (Chain shears)
Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis. "Blue Point."
Tru Brand—See H Boker & Co
Wiss & Sons Co., J., 33 Littleton Ave., Newark 7 N J

SHEET METAL CUTTING TOOLS—See Cutters, Sheet Metal

SHEET METAL FABRICATORS

(See also Stampings, Metal)

Houdaille Industries Inc Manzel Div 315 Babcock St Buffalo 10 N Y
Stolper Steel Products Corp 300 Pilgrim Rd Menomonee Falls Wis

SHEET METAL FASTENERS—See Fasteners, Sheet Metal

SHEET METAL LEVELERS—See Levelers, Sheet Metal

SHEET METAL TESTING MACHINES—See Machines, Testing (Metal)

SHEET METAL WORKING MACHINES—See Machines Sheet Metal Working

SHEET STEEL LIFTERS—See Lifters, Sheet Steel

SHEETS, AUTOMOBILE BODY—See Steel, Sheet

SHEETS, ROD AND TUBES, PLASTIC—See Plastics—Sheets, Rods, Tubes and Filaments

SHEETS, TRANSPARENT — See Plastics—Sheets (Transparent)

SHERARDIZING—See Galvanizing, Sherardizing and Rust-proofing

SHIELDS, EYE—See Goggles, Mechanics' and Welders'

SHIELDS, WIND—See Windshields

SHIFTERS, Gear

Bendix Products Div Bendix Aviation Corp South Bend 20 Ind (Power and automatic)
Champ-Items Inc 6191 Maple Ave St Louis 14 Mo (Mechanical, for Chevrolet cars)

SHIMS, Babbitted

Laminated Shim Co 62 Union St Glenbrook Conn "Laminum"
Laminum—See Laminated Shim Co.

SHIMS, Brass and Copper

Acme Mfg. & Gasket Co., 733 N. 41st St., Philadelphia 4, Pa.
Fitzgerald Mfg. Co., 691 Main St., Torrington, Conn.
Gasket Packing & Specialty Co 41 N Saxon Ave Bay Shore L I N Y (Brass)
Keystone Gasket Mfg. Co., 833 N. Fourth St., Philadelphia 23, Pa.
Kickhaefer Mfg Co 903 S Second St Milwaukee 4 Wis
Konigslow Mfg Co Otto 3600 Perkins Ave Cleveland 14 Ohio
Laminated Shim Co 62 Union St Glenbrook Conn
McCord Corp Riopelle at E Grand Blvd Detroit 11 Mich
National Seal Div Federal-Mogul-Bower Bearings Inc Broadway at National Ave Redwood City Calif (Brass)
Precision Steel Warehouse Inc 3500 N Wolf Rd Franklin Park Ill (Brass)
Rotax Mfg Co 175 Ridge St Newark 4 N J (Brass stock)
United Screw & Bolt Corp., 3590 W. 58th St., Cleveland, Ohio.
Victor Mfg. & Gasket Co., 5750 W. Roosevelt Rd., Chicago 50, Ill. (Brass)
Whitehead Stamping Co., 1661 W. Lafayette Blvd., Detroit 16, Mich.
Wisconsin Gasket & Mfg Co 8724 N Granville Rd Granville Wis

SHIMS, Connecting Rod

Keystone Gasket Mfg. Co., 833 N. Fourth St., Philadelphia 23, Pa.
Laminated Shim Co 62 Union St Glenbrook Conn

SHIMS, Laminated

Blaisdell Mfg Co 1350 Coronado Ave Long Beach 4 Calif "Feathered" (Bearing)
Feathered—See Blaisdell Mfg. Co.
Federal-Mogul Service Div of Federal-Mogul-Bower Bearings Inc 11031 Shoemaker Ave Detroit 13 Mich
Fit-All—See Laminated Shim Co.
Gasket Packing & Specialty Co 41 N Saxon Ave Bay Shore L I N Y "Micro-Shim"
Keystone Gasket Mfg. Co., 833 N. Fourth St., Philadelphia 23, Pa.
Laminated Shim Co 62 Union St Glenbrook Conn "Laminum" "Fit-All" (Brass and steel)
Laminum—See Laminated Shim Co.

SHIMS, Laminated—continued

Micro-Shim—See Gasket Packing & Specialty Co
National Seal Div Federal-Mogul-Bower Bearings Inc Broadway at National Ave Redwood City Calif
Wisconsin Gasket & Mfg Co 8724 N Granville Rd Granville Wis

SHIMS, Lead and Lead Alloy

Gasket Packing & Specialty Co 41 N Saxon Ave Bay Shore L I N Y
Wisconsin Gasket & Mfg Co 8724 N Granville Rd Granville Wis

SHIMS, Leather

Auburn Mfg Co Pease Ave & Stack St Middletown Conn

SHIMS, Steel

Acme Mfg. & Gasket Co., 738 N. 41st St., Philadelphia 4, Pa.
Alimetal Screw Products Co 821 Stewart Ave Garden City N Y (Stainless)
Andrew Parts Mfg Co 32-70 31st St Long Island City 6 N Y
Bender Equipment Co J H 5430 Tweedy Blvd South Gate Calif
Bull Dog—See Jambor Tool & Stamping Co.
Champ-Items Inc 6191 Maple Ave St Louis 14 Mo
De-Sta-Co—See Detroit Stamping Co
Detroit Stamping Co 250 Midland Ave Detroit 3 Mich "De-Sta-Co"
Gasket Packing & Specialty Co 41 N Saxon Ave Bay Shore L I N Y
Jambor Tool & Stamping Co., 3057 N. 30th St., Milwaukee 10, Wis. "Bull Dog."
Keystone Gasket Mfg. Co., 823 N. Fourth St., Philadelphia 23, Pa.
Konigslow Mfg Co Otto 3600 Perkins Ave Cleveland 14 Ohio
Laminated Shim Co 62 Union St Glenbrook Conn
National Seal Div Federal-Mogul-Bower Bearings Inc Broadway at National Ave Redwood City Calif
Simonds Saw & Steel Co 470 Main St Fitchburg Mass
Standard Supply Co 5920 Bryant St Pittsburgh 6 Pa
United Screw & Bolt Corp., 3590 W. 58th St., Cleveland, Ohio.
Victor Mfg. & Gasket Co., 5750 W. Roosevelt Rd., Chicago 50, Ill.

SHOCK ABSORBERS, Auto (Friction, Hydraulic and Pneumatic)

Blackstone Mfg Co 4630 W Harrison St Chicago 44 Ill "Guide-Rite"
Briggs Shock Absorber Co 1148 Euclid Ave Cleveland 15 Ohio (Hydraulic)
Columbus—See Heckethorn Mfg & Supply Co
Delco Products Div., General Motors Corp 329 E First St Dayton Ohio "Delco" (Hydraulic)
Gabriel Co 1148 Euclid Ave Cleveland 15 Ohio "Gabriel" "Golden Glide"
Gilpak Automotive Products Div Packer Auto Parts Inc Roselle N J
Golden Glide—See Gabriel Co
GorDag Industries Inc 803 Forshay Tower Minneapolis 3 Minn (Spring)
Guide-Rite—See Blackstone Mfg Co
Heckethorn Mfg & Supply Co P O Box 117 Dyersburg Tenn "Columbus" (Licensees)
Houdaille Industries Inc Buffalo Hydraulics Div 537 E Delavan Ave Buffalo 11 N Y
Monroe Auto Equipment Co., 1426 E. First St., Monroe, Mich. "Monro-Matic" (Hydraulic.)
Moog Industries Inc 6565 Wells Ave St Louis 33 Mo
Toledo Steel Products Div of Thompson-Ramo-Woolridge Inc 6402 Cedar Rd Cleveland 3 Ohio

SHOES, Brake

Amco—See Asbestos Mfg Co
Asbestos Mfg Co E Sabine St Huntington Ind "Amco" (Bonded)
Bendix Products Div Bendix Aviation Corp South Bend 20 Ind (Lined)
Delco—See Moraine Products Div
Fe-adco Corp 12345 Schaefer Rd Detroit 27 Mich
Grey Rock Div of Raybestos-Manhattan Inc Manheim Pa
Grizzly Mfg Div of MarPro Inc 700 W Caroline St Paulding Ohio
Imco Mfg & Sales Co 10 E Lafayette Ave Baltimore 2 Md (Lined and unlined)
Miley Co L J 18 S Sangamon St Chicago 7 Ill
Moraine Products Div General Motors Corp 1420 Wisconsin Blvd Dayton Ohio "Delco" (Lined for GMC cars and light trucks)
National Vulcanized Fibre Co Maryland Ave & Beech St Wilmington 99 Del (Fibre)
Pick Mfg Co West Bend Wis (Lined and unlined)
Porter Co H K Thermoid Div 200 Whitehead Rd Trenton 6 N J "Thermoid"
Raybestos Div of Raybestos Manhattan Inc 75 E Main St Stratford Conn
Rusco—See Russell Mfg Co
Russell Mfg Co E Main St Middletown Conn "Rusco"
Thermoid—See H K Porter Co Thermoid Div
Transit Parts Co 35700 Vine St Willoughby Ohio (For buses trucks and trailers)
Wagner Electric Corp 6400 Plymouth Ave St Louis 33 Mo

SHUTTERS, Radiator

(See also Thermostats, Water Circulating)

Brewer-Titchener Corp., 115 Pt. Watson St., Cortland, N. Y. "Moto-Gard." (For buses and trucks, hand operated)
Hardy Mfg Corp W Pearl St Union City Ind (Automatic and hand operated)
Kysor Heater Co Haynes St Cadillac Mich (Automatic and hand operated)
Moto-Gard—See Brewer-Titchener Corp

SIGHT FEED OILERS—See Oilers, Sight Feed

SIGNALS, Direction Indicating (Auto and Truck)

(Indicates when turn or stop is about to be made)

Advanced Mfg Inc 738 W 17th St Costa Mesa Calif
Alco—See Auto Lamp Mfg Co
Anthes Force Oiler Co 20th St & Ave M Ft Madison Iowa (Truck)
Arrow Safety Device Co., Mt. Holly, N. J (Also flashing stop lights.)
Auto Lamp Mfg Co 2909 S Indiana Ave Chicago 9 Ill "Pathfinder" also "Alco" (Conversion units for converting parking, stop and tail lights into direction indicating signals)
Betts Machine Co 1800 Pennsylvania Ave W Warren Pa
Bolser Corp S Main St Cedar Falls Iowa (For trucks)
Campco—See Carolina Metal Products Corp
Carolina Metal Products Corp 2222 South Blvd Charlotte 5 N C "Campco" (Semaphores)
Catseye—See Columbus Metal Products Co
Columbus Metal Products Co 1341 Norton Ave Columbus 8 Ohio "Catseye"
Dietz Co R E 225 Wilkinson St Syracuse 1 N Y (Truck)
Do-Ray Lamp Co., 1458 S. Michigan Ave., Chicago 5, Ill. "Do-Ray Turn-Lit." (Also conversion kits for passenger cars)
Electric Auto-Lite Co Toledo 1 Ohio
Fineline—See Peterson Mfg Co
Griffin Lamp Co Shelby Miss (Also conversion kits)
Grote Mfg Co Lafayette & Grandview Aves Bellevue Ky (Also combination stop tail and license brackets)
Guide Lamp Div. General Motors Corp., 25th St. & Arrow Ave., Anderson, Ind.
Indusco-Lite—See Industrial Scientific Co.
Industrial Scientific Co P O Box 494 Fresno 9 Calif "Indusco-Lite" (Semaphore type for trucks)
K-D Lamp Co 1910 Elm St Cincinnati 10 Ohio
King Bee Mfg Co 2600 Washington Blvd Bellwood Ill
Miro-Flex Co 1824 E 2nd St Wichita 7 Kans
Parker Products Inc 1415 Washington Ave S Minneapolis 4 Minn "Parker Direct-A-Lite"
Pathfinder—See Auto Lamp Mfg. Co.
Peterson Mfg Co 2716 E 14th St Kansas City 27 Mo "Fineline"
Ring-Wald Products Inc 123 N Lowry Ave Springfield, Ohio. (Stop semaphores, for school buses.)
S & M Lamp Co 2369 E 51st St Los Angeles 54 Calif (For trucks and buses)
Saf-Stop-Fin-Lite—See Sinko Mfg & Tool Co
Signal-Stat Corp Signal-State Bldg 523 Kent Ave Brooklyn 11 N Y (Auto bus and truck)
Sparton Automotive Div of Sparton Corp Jackson Mich (Also stop lights and combination stop and tail; and conversion kits for passenger cars)
Speaker Corp J W 3059 N Weil St Milwaukee 12 Wis
Turnsignal Co 2720 W Susquehanna Ave Philadelphia 21 Pa (Truck)
U. S. Metal Products Co., 1945 Atlantic Ave., Brooklyn 33, N. Y. "U. S. Pioneer."
U. S. Pioneer—See U. S. Metal Products Co.
Yankee Metal Products Corp., 25 Grand St., Norwalk Conn

SIGNALS, Excess Speed

AC Spark Plug The Electronics Div of General Motors Corp 1300 N Dort Highway Flint 2 Mich
Autoelectronics Inc 948 W 19th St Elwood Ind "Speedalarm"
K-S—See King-Seeley Corp
King-Seeley Corp 315 S First St Ann Arbor Mich "K-S"
Novi Equipment Co Novi Mich

SIGNALS, Low Air Pressure, Brake (Auto)

Bendix-Westinghouse Automotive Air Brake Co 901 Cleveland Rd Elyria Ohio
Berg Mfg & Sales Co 1712 S Michigan Blvd Chicago 16 Ill (Air and vacuum systems)
Cole-Hersee Co 20 Old Colony Ave Boston 27 Mass
Fasco Industries Inc 400 Davis St Rochester 2 N Y
Hawk Tool & Engineering Co 20 W Washington St Clarkston Mich "Pressure-Clix" (Sole distributors, Nason Co 20 W Washington St Clarkston Mich)
Synchro-Start Products Inc 8151 N Ridgeway Ave Skokie Ill
Wagner Electric Corp 6400 Plymouth Ave St Louis 33 Mo

SIGNALS, Low Oil Pressure (Engine)

(Protection against lost oil)

Hawk Tool & Engineering Co 20 W Washington St Clarkston Mich "Pressure-Clix" (Sole distributors, Nason Co 20 W Washington St Clarkston Mich)
Kysor Heater Co Haynes St Cadillac Mich "Kysor Pressurestat"
Stewart-Warner Corp Instrument Div 1826 Diversey Parkway Chicago 14 Ill
Synchro-Start Products Inc 8151 N Ridgeway Ave Skokie Ill

SIGNALS, Oil Level

King-Seeley Corp 315 S First St Ann Arbor Mich "K-S"

SIGNALS, Water Temperature (Auto. Truck, Bus)

(Protection against overheating)

Hawk Tool & Engineering Co 20 W Washington St Clarkston Mich "Thermo-Clix" (Sole distributors, Nason Co 20 W Washington St Clarkston Mich)
Kysor Heater Co Haynes St Cadillac Mich "Kysor Alarmstat"
Synchro-Start Products Inc 8151 N Ridgeway Ave Skokie Ill

SIGN BOARDS, for Stake Bodies

K & B—See Kirk & Blum Mfg Co
Kirk & Blum Mfg Co 3120 Forrer St Cincinnati 9 Ohio "K & B"

SILENCERS, Carburetor Intake

AC Spark Plug The Electronics Div of General Motors 1300 N Dort Highway Flint 2 Mich
Fram Corp Pawtucket Ave Providence 16 R I
Houdaille Industries Inc Buffalo Hydraulics Div 537 E Delavan Ave Buffalo 11 N Y
United Specialties Div Industrial Enterprises Inc 9705 Cottage Grove Ave Chicago 28 Ill

SILICONE FLUID

Dow Corning Corp Midland Mich
General Electric Co Silicone Products Dept Waterford N Y "G-E"

SILICONE RUBBER—See Rubber, Silicone

SIREN HORNS—See Horns Siren

SIX WHEEL ATTACHMENTS—See Axle Units Third for Trucks

SKIN PROTECTION COMPOUNDS—See Compounds Skin Protection

SLEEVES, Cylinder

Accuralite—See American Hammered Auto Replacement Div

Aluminum Industries Inc 3670 Werk Rd Cincinnati 11 Ohio "Permite"
American Hammered Automotive Replacement Div of Sealed Power Corp Accuralite Div 2001 Sanford St Muskegon Mich "Accuralite"
Campbell, Wyant & Cannon Foundry Co., Muskegon Mich (Centrifugally cast)
Detroit Sleeve Mfg Co 9373 Hubbell St Detroit 28 Mich
Dura-Bond Bearing Co 715 Loma Verde Ave Palo Alto Calif "Dura-Cast"
Ertel Products Co Repl Div of Ertel Mfg Corp 1402 E 20th St Indianapolis 7 Ind
Frank Foundries Corp 2020 Third Ave Moline Ill "Frankite"
Hub City Iron Co 218 First Ave SW Aberdeen S D
Janney Cylinder Co 7425 State Rd Philadelphia 36 Pa (Special to order)
McQuay-Norris Mfg. Co., 2320 Marconi St., St. Louis, Mo.
Nylen Products Inc U S 12 Bridgman Mich
Permite—See Aluminum Industries, Inc.
Sealed Power Corp 2001 Sanford St Muskegon Heights Mich
Shenango Furnace Co Centrifugal Cast Products Div Dover Ohio (Centrifugally cast)
Superior—See White Machine Works
Thompson Products Michigan Div Thompson-Ramo-Woolridge Inc 34201 Van Dyke Ave Warren Mich (Heavy duty engine)
Toledo Steel Products Div of Thompson-Ramo-Woolridge Inc 6402 Cedar Rd Cleveland 3 Ohio
Versnick Mfg Co Madisonville Ky (Dry type)
White Machine Works, 1401 Bellevue Ave., Eau Claire, Wis. "Superior."

SLIDE FASTENERS—See Fasteners Slide

SLITTING MACHINES—See Machine Slitting

SLOTTERS—See Machines, Slotting

SLOTTING BLADES, SCREW—See Blades, Metal Slitting and Screw Slotting

SNAP FASTENERS—See Fasteners, Snap

SNOW PLOW ATTACHMENTS—See Plows, Snow

SNUBBERS—See Straps, Rebound

SOCKETS, Lamp (Electric)

A M P Inc Eisenhower Blvd Harrisburg Pa
Carr Fastener Co 31 Ames St Cambridge Mass
Coie-Hersee Co., 20 Old Colony Ave., Boston 27, Mass.
Crescent Co 20 Central Ave Pawtucket R I "Wiry Joe" (Headlamp assemblies)
Culver-Stearns Mfg Co 181 Greenwood St Worcester 7 Mass
Delta Electric Co., 33rd & Nebraska Sts., Marion, Ind.
Douglas Mfg. Div., Kingston Products Co., Railroad St., Bronson, Mich
Eagle Electric Mfg Co 23-10 Bridge Plaza South Long Island City 1 N Y
Preferred Electric & Wire Co Bush Terminal Bldg No 6 Brooklyn 23 N Y
United-Carr Fastener Corp Statler Office Bldg Boston 16 Mass
Wade Electric Products Co 211 N Jacobs St Sturgis Mich
Watts Electric & Mfg Co 2222 E Maple Rd Birmingham Mich
Wiry Joe—See Crescent Co.

SOCKETS, Nut

Apex Machine & Tool Co 1025 Patterson Blvd Dayton Ohio

SOCKETS WRENCH—See Wrenches Socket

SOCKETS and SLEEVES, Drill

Cleveland Twist Drill Co., 1242 E. 49th St., Cleveland 14, Ohio.
Scully-Jones & Co 1977 S Rockwell St Chicago Ill "Scully-Jones" "Use-Em-Up"
Use-Em-Up—See Scully-Jones & Co.
Whitman & Barnes Div of United Greenfield Corp 40085 Plymouth Rd Plymouth Mich

SOLDER

(See also Solder, Self-Fluxing)

All-State Welding Alloys Co 249 Ferris Ave White Plains N Y (Silver)
Alpha Metals Inc 56 Water St Jersey City N J "Alpha" (Acid core rosin core and solid wire sheet and body)
Alumaweld—See Johnson Mfg Co
American Platinum & Silver Div Engelhard Industries Inc 231 N J R R Ave Newark 5 N J
Atomized Materials Co 207 Rauch Bldg Pittsburgh 5 Pa "KwikMetal" (Body)
Belmont Smelting & Refining Works 326a Belmont Ave Brooklyn N Y (Body)
Bohn Aluminum & Brass Corp 1400 Lafayette Bldg Detroit 26 Mich
Bond—See M W Dunton Co
Bunker Hill Co Fifth Floor 600 Market St San Francisco 4 Calif (Bar wire strip core)
Carborundum Co Buffalo Ave Niagara Falls N Y
Champion—See Division Lead Co
Dayton Die Casting Co 303 Keowee St Dayton Ohio
Divco—See Division Lead Co.
Division Lead Co 7742 W 61st Pl Summit Ill "Divco" (Bar & wire; acid core and resin-core; "Champion" body)
Dunton Co M W 7 Goff St Providence 3 R I "Nokorode" "Ideal" "Gem" "Kwik" (Core; "Dunton" body; "General" "Bond" "Super" plain)
Dutch Boy—See Natural Lead Co.
Easy-Flo—See Handy & Harman.
Elied—See Farrelloy Co
Empire Metal Co 820 E Water St Syracuse 3 N Y (Body bar and solid wire also acid and resin flux-cored wire)
Farco—See Farrelloy Co
Farrelloy Co 1243 N 26th St Philadelphia 21 Pa "Farco" "Farrelloy" "Elied" (Wire acid core and rosin core)
Federated Metals Div American Smelting & Refining Co 120 Broadway New York 5 N Y "Federated" (Filler and wire; "Star" body; "Federated Castomatic" bar and ingot)
Five Star—See United American Metals Corp.
Gem—See M. W. Dunton Co.
General—See M. W. Dunton Co.
Graph-Tex—See Greenleaf Corp
Greenleaf Corp 512 Franklin Ave Pittsburgh 21 Pa "Graph-Tex"
Handy & Harman 82 Fulton St New York 38 N Y "Easy-Flo" "Sil-Fos" (Silver)
Hewitt Metals Corp 12th St at Stanley Ave Detroit 8 Mich (Ingot bar wire acid and rosin core; also body solder in ingot bar and cake)
Hollingshead Corp R M Ninth & Cooper Sts Camden N J (Radiator)
Ideal—See M W Dunton Co
Industrial—See United American Metals Corp
Johnson Mfg Co 616 N First Ave Mt Vernon Iowa "Alumaweld"
Kester Solder Co 4201 Wrightwood Ave Chicago 39 Ill (Wire body and radiator)
Kwik—See M W Dunton Co
KwikMetal—See Atomized Materials Co
Lenk Mfg Co Franklin Ky (Bar and wire)
Lightning—See United American Metals Corp
Lumen Bearing Co 197 Lathrop St Buffalo 12 N Y
Magic Iron Cement Co 5403 Bower Ave Cleveland 27 Ohio
Makepeace Co D E Dunham & Pine Sts Attleboro Mass (Silver and gold)
Meco—See Modern Engrg Co
Modern Engrg Co 3411 Pine Blvd St Louis 3 Mo "Meco"
National Lead Co 111 Broadway New York 6 N Y "Dutch Boy" (Body acid core and solid wire)
New York Solder Co 684 E 133rd St New York 54 N Y "Standard" (Acid core and rosin core; "Sure Flux" (Solid wire bar and body)
Nokorode—See M W Dunton Co
North American Smelting Co Marine Terminal, Wilmington, Del (Body bar wire ingot ribbon and flux-filled)
Oatey Co L R 10230 Berea Rd Cleveland 2 Ohio (Body; wire; acid and rosin core)
Park Chemical Co 8074 Military Ave Detroit 4 Mich "Parko" (Body)
Presstite-Keystone Engrg Products Co 3900 Chouteau St St Louis 10 Mo
Press Work Inc Lead Alloy Products Div 9100 Roselawn Ave Detroit 4 Mich
River Smelting & Refining Co 4195 Bradley Rd Cleveland 1 Ohio "River RS" (Body)
Sil-Fos—See Handy & Harman
Standard—See New York Solder Co
Star—See Federated Metals Div
Super—See M W Dunton Co
Sure Flux—See New York Solder Co
Swiss Laboratory 1533 Hamilton Ave Cleveland 14 Ohio (Body, acid core and solid wire)
United American Metals Corp 970 Meeker Ave Brooklyn 22 N Y ("Lightning" Body; "Five Star" bar "Idustrial" radiator)
United Wire & Supply Corp 1497 Elmwood Ave Providence 7 R I (Silver)
Wayne Chemical Products Co Copeland Ave & M C R R Detroit Mich
Woodhill Chemical Sales Corp 1390 E 34th St Cleveland 14 Ohio

SOLDER, Aluminum

Alcoa—See Aluminum Co of America
All-State Welding Alloys Co 249 Ferris Ave White Plains N Y "All-State" "Rubbon"
Alumaweld—See Johnson Mfg Co
Aluminum Co of America 1501 Alcoa Bldg Pittsburgh 19 Pa "Alcoa"
Aluminum Fix Co 1860 E 123rd St Cleveland Ohio
Belmont Smelting & Refining Works 326a Belmont Ave Brooklyn N Y
Ensign Products Co., 3025 E. 76th St., Cleveland 5, Ohio.
Eutectic Welding Alloys Corp 40-40 72nd St Flushing N Y
Falls—See Niagara Falls Smelting & Refining Div Continental Copper & Steel Industries Inc
Hewitt Metals Corp., 12th St. at Stanley Ave., Detroit 8, Mich.
Johnson Mfg Co 616 N First Ave Mt Vernon Iowa "Alumaweld"
Kindt-Collins Co., 12651 Elmwood Ave., Cleveland 11, Ohio. "Master."
Lenk Mfg Co Franklin Ky "Super"
Master—See Kindt-Collins Co
National Aluminum Co 1912 Edgewood Ave Racine Wis "Stick-Well"
Niagara Falls Smelting & Refining Div Continental Copper & Steel Industries Inc 2204 Elmwood Ave Buffalo 23 N Y "Falls"
River Smelting & Refining Co 4195 Bradley Rd Cleveland 1 Ohio "River RS"
Rubbon—See All-State Welding Alloys Co
Stick-Well—See National Aluminum Co
Super—See Lenk Mfg Co
Syracuse—See United American Metals Corp
United American Metals Corp 970 Meeker Ave Brooklyn 22 N Y "Syracuse"

SOLDER, BODY—See under Solder

SOLDER GASKETS AND WASHERS—See Gaskets, Lead and Lead Alloy

SOLDER, PLASTIC—See Fillers, Plastic and Metallic

SOLDER, Self-Fluxing

(See also Solder)

Belmont Smelting & Refining Works 326a Belmont Ave Brooklyn N Y
Divco—See Division Lead Co
Division Lead Co 7742 W 61st Pl Summit Ill "Divco"
Federated Metals Div American Smelting & Refining Co 120 Broadway New York 5 N Y "Federated-Gardiner" (Acid core and rosin core)
Kester Solder Co., 4201 Wrightwood Ave., Chicago 39, Ill.
Lenk Mfg Co Franklin Ky
Meltomatic—See Wayne Chemical Products Co.
Swiss Laboratory 1533 Hamilton Ave Cleveland 14 Ohio
Syracuse—See United American Metals Corp.
United American Metals Corp 970 Meeker Ave Brooklyn 22 N Y "Syracuse" (Rosin core and acid core)
Wayne Chemical Products Co., Copeland Ave. & M. C. R. R., Detroit, Mich. "Meltomatic."

SOLDERING FLUX — See Flux, Brazing, Welding and Soldering

SOLDERING FURNACES—See Furnaces, Soldering

SOLDERING LUGS—See Lugs, Soldering

SOLDERING MACHINES—See Machines, Soldering

SOLDER SPRAY GUNS—See Sprayers, Molten Metal

SOLENOIDS, Direct Current

Synchro-Start Products Inc 8151 N Ridgeway Ave Skokie Ill

SOLVENT RECOVERY STILLS—See Stills, Solvent Recovery

SOLVENTS, Oil and Grease Removing

(See also Cleaners, Metal)

Acme Quality Paints Inc 8250 St Aubin Ave Detroit 11 Mich "Acme Klix"
Actusol—See Du Bois Co
Allube Corp 928 Allen Ave Glendale 1 Calif
Amerold Dusol—See E F Drew & Co
Aqua-Seal—See Penetone Co
Atomized Materials Co 207 Rauch Bldg Pittsburgh 5 Pa "Kwik-Solv"
Barr & Co W M 2336 S Lauderdale St Memphis 6 Tenn "Magic Cleaner" "Dip Kleen" (Sole distributors Klean Strip Co Box 3565 Memphis 6 Tenn)

SOLVENTS, Oil and Grease Removing—continued

Bendix Products Div Bendix Aviation Corp South Bend 20 Ind "Bendix Econociene" "Bendix Metalclene"
Bi-Phase—See Panther Chemical Co
Blacosolv—See Blakeslee & Co
Blakeslee & Co G S 1844 S Laramie Ave Cicero 50 Ill "Blacosolv"
Blast—See Narda Ultrasonics Corp
Blue Ribbon—See International Metal Polish Co
Brulin & Co 2939 Columbia Ave Indianapolis 7 Ind "Brulin's" "Brulinsolv" "Safety Solv"
Buchanan Chemical Co C G 4640 Baker Rd Cincinnati 12 Ohio "Byr-Ma-Co"
Buxite—See Penetone Co
Byr-Ma-Co—See Buchanan Chemical Co.
Carbon Met—See Gunk Laboratories Inc
Cee-Bee Chemical Co 9520 E Ceebee Drive Downey Calif "Samson"
Cellosolve—See Union Carbide Chemicals Co
Chem-Solv—See Colonial Alloys Co
Chevron—See Standard Oil Co of Calif
Chlorothene—See Dow Chemical Co
Circo Equipment Co 120 Central Ave Clark N J "Circoid" "Circo-Solv" "Dee-Solv" "Per-Solv" & "Midsolv"
Circoid—See Circo Equipment Co
Circo-Solv—See Circo Equipment Co
Cisco—See Cities Service Oil Co. (Pa.)
Cities Service Oil Co (Pa) 60 Wall Tower New York 5 N Y "Cisco" "Solvent 26A"
Clayton Mfg Co 401 N Temple City Blvd El Monte Calif "Kerrick Kermulso"
Colonial Alloys Co Ridge Ave & Crawford St Philadelphia 29 Pa "Cyclodiene" "Percyclodiene" "Dicyclodiene" "Tricyclodiene" "Polydiene" "Tetradiene" "Methanated" "Trisolvadiene" "Chem-Solv"
Cooper Co., D. C., 1467 S. Michigan Ave., Chicago 5, Ill. "D. C."
CrysCoat—See Oakite Products Inc
Crystal Soap & Chemical Co., 6300 State Rd Philadelphia 35 Pa
Cyclodiene—See Colonial Alloys Co.
D. C.—See D. C. Cooper Co.
D-Carb—See Du Bois Co
Dacar Chemical Products Co., Wabash & McCartney Sts Pittsburgh 20 Pa "Darsol"
Darsol—See Dacar Chemical Products Co
Dee-Solv—See Circo Equipment Co
Detrex Chemical Industries Inc Box 501 Detroit 32 Mich "Drex-Foam" "Perm-A-Clor"
D-Greso—See Service Supply Co.
Dicyclodiene—See Colonial Alloys Co.
Dip Kleen—See W M Barr & Co
Diversey Corp 1820 Roscoe St Chicago 13 Ill
Dow Chemical Co Midland Mich "Chlorothene"
Drew & Co E F Automotive Chemicals Div 15 E 26th St New York N Y "Ameroid Duosol" "Drew-Ameroid" & "Red-D-Duosol"
Drex-Foam—See Detrex Chemical Industries Inc
Du Bois Co 1120 W Front St Cincinnati 3 Ohio "Actusol" "D-Carb" "Sprex AC"
Dunkit—See Penetone Co
du Pont de Nemours & Co E I Electrochemicals Dept Wilmington 98 Del "Perclene" (Perchlorethylene; "Triclene" trichlorethylene)
Esso Standard Oil Co., 15 W. 51st St., New York 19, N. Y. "Solvesso." "Varsol."
Ewing Mfg Co 2545 N W 10th St Oklahoma City Okla
FO—See Fine Organics Inc
Fine Organics Inc 211 E 19 St New York 3 N Y "FO"
Formula 6—See Penetone Co
Gerlach Co., A. E., P. O. Box 133, Eddington Bucks County, Pa. "60 Cleaner," "Soax," "Jelzine."
Graymills Corp 3705 N Lincoln Ave Chicago 13 Ill
Gunk—See Gunk Laboratories Inc; also Radiator Specialty Co
Gunk Laboratories Inc 630 N Harlem Ave River Forest Ill "Carbon Met" "Gunk SC" "Neo Met"
Harco—See Harley Soap Co.
Harley Soap Co., Pierce & Orthodox Sts., Philadelphia 37, Pa. "Harco."
Heet Div of Demert & Dougherty Inc 3001 W 47th St Chicago 32 Ill "Kleen-Off"
Hi-Flash—See Penetone Co
Hollingshead Co., R. M., 840 Cooper St., Camden, N. J. "Whiz Dip-Zoff;" "Whiz Ho-Zof." (For garage use.)
Homestead Valve Mfg. Co. (Hypressure Jenny Div.), Narrows Run Road, Coraopolis, Pa. "Hypressure Jenny."
Hypressure Jenny—See Homestead Valve Mfg. Co.
Imperial Wash-er Clean—See Martindale Electric Co.
Independence Chemical Co 606 S Water St Philadelphia 47 Pa "Motor Kleen"
Industrial Chemical Products Co., 3769 Bellevue Ave., Detroit 7, Mich. "Industrosolv."
Industrosolv—See Industrial Chemical Products Co.
International Metal Polish Co 1910 Quill St Indianapolis 7 Ind "Blue Ribbon"
Jarrett Co Cecil H Mt Olive Rd Newton N C
Jelzine—See E. A. Gerlach Co.
Kelite Corp 1250 N Main St Los Angeles Calif
Kerrick Kermulso—See Clayton Mfg Co
Kitson Inc Arthur H 20818 Harper Ave Detroit 36 Mich "No Wipe"
Klearall—See Octagon Process Inc
Kleen-Off—See Heet Div of DeMert & Dougherty Inc
Klem Chemicals, Inc., 14401 Lanson St., Dearborn, Mich. "Rust Sol."
Kold-Phil—See Phillips Mfg Co
Krylon Inc Ford & Washington Sts Norristown Pa
Kwik-Solv—See Atomized Materials Co
L & R Mfg Co 577 Elm St Kearny N J
Lorco—See Lord Chemical Co
Lord Chemical Co 2068 S Queen St York Pa "Lorco"
Lubri-Loy Co 6319 Wilson St St Louis 10 Mo "Top-C"
Magic Cleaner—See W M Barr & Co
Magnus Chemical Co., 185 South Ave., Garwood, N. J. "Magnus," "Magnusol."
Magnusol—See Magnus Chemical Co.
Major—See Penetone Co.
Manpro Corp 1360 Hilton Rd Ferndale 20 Mich
Martindale Electric Co., 1340 Hird Ave., Cleveland 7, Ohio. "Imperial Wash-er Clean."
Methanted—See Colonial Alloys Co
Metso 66—See Philadelphia Quartz Co
Midsolv—See Circo Equipment Co
Mitchell-Bradford Chemical Co Wampus Lane Milford Conn "Witch Oil"
Motor Kleen—See Independence Chemical Co
Narda Ultrasonics Corp 625 Main St Westbury L I N Y "Blast"
Navee 42—See Penetone Co
Neo Met—See Gunk Laboratories Inc
Nordall—See Wyandotte Chemicals Corp
No Wipe—See Arthur H Kitson Inc
Oakite Products Inc 19 Rector St New York 6 N Y "Oakite" "CrysCoat"
Octagon Process Inc 15 Bank St Staten Island 1 N Y "Klearall" "Octastrip"
Octastrip—See Octagon Process Inc
PDQ—See Standard Oil Co of Calif
Panther Chemical Co P O Box 711 Fort Worth Tex "Bi-Phase" "Panther"
Park Chemical Co 8074 Military Ave Detroit 4 Mich "Parko"
Parko—See Park Chemical Co.
Parts Master—See Rust Master Chemical Corp
Peck's Products Co 610 E Clarence Ave St Louis 15 Mo "Pepco"
Penesolve—See Penetone Co
Penetone Co 74 Hudson Ave Tenafly N J "Aqua-Seal" "Dunkit" "Buxite" "Formula 6" "Hi-Flash" "Major" "Penesolve" "Navee 42"
Pennsalt Chemicals Corp 3 Penn Center Philadelphia 2 Pa
Penray Co 1532 W Fulton St Chicago 7 Ill
Pepco—See Peck's Products Co
Perclene—See E. I. du Pont de Nemours & Co., Electrochemicals Dept.
Percyclodiene—See Colonial Alloys Co.
Permacel U S Highway 1 New Brunswick N J
Perm-A-Clor—See Detrex Chemical Industries Inc
Permo Products Co., 1629 Platte St., Denver 2, Colo.
Per Solv—See Circo Equipment Co
Petisol—See Petroleum Solvents Corp
Petroleum Solvents Corp 331 Madison Ave New York 17 N Y "Petisol"
Philadelphia Quartz Co 1146 Public Ledger Bldg 6th & Chestnut Sts Philadelphia 6 Pa "Metso 66"
Phillex—See Phillips Mfg Co
Phillips Mfg Co 3475 Touhy Ave Chicago 45 Ill "Phillsolv" "Phillex" "Kold-Phil" (Oil and grease)
Phillsolv—See Phillips Mfg. Co.
Plasti-Kote Inc 9801 Harvard Rd N W Cleveland 5 Ohio
Polydiene—See Colonial Alloys Co
Quick Charge Div Line Scale Co 3737 N W 37th St Oklahoma City 4 Okla "Quick-So"
Radiator Specialty Co 1400 W Independence Blvd Charlotte 1 N C "Gunk"
Red-D-Duosol—See E F Drew & Co
Rust Master Chemical Corp 56 Creighton St Cambridge Mass "Parts Master"
Rust Sol—See Klem Chemicals, Inc.
S O—See Standard Oil Co of Calif
Safety Solv—See Brulin & Co
Samson—See Cee-Bee Chemical Co
Service Supply Co., 1115 Seventh St., Denver 4 Col "Solvo" "D-Greso"
Shaler Co Waupun Wis (Oil and carbon)
Shell Oil Co., 50 W. 50th St., New York 20, N. Y. (Oil.)
60 Cleaner—See E. A. Gerlach Co.
Soax—See E. A. Gerlach Co.
Solvent 26A—See Cities Service Oil Co. (Pa.)
Solvesso—See Esso Standard Oil Co.
Solvo—See Service Supply Co.
Speco Inc 7308 Associate Ave Cleveland 9 Ohio "Vinsol"
Sprex AC—See Du Bois Co
Standard Oil of Calif Western Operations Inc 225 Bush St San Francisco 20 Calif "Calso" "Chevron" " S O" "PDQ" "Standard"
Stanley Co John T 642 W 30th St New York 1 N Y
Sure-Rite—See Warehouse Dist Co
Tetradiene—See Colonial Alloys Co
Tooth—See Curran Corp
Top-C—See Lubri-Loy Co
Triclene—See E. I. du Pont de Nemours & Co., Electrochemicals Dept.
Tricyclodiene—See Colonial Alloys Co.
Trisolvadiene—See Colonial Alloys Co
Tumbler Laboratories, J. A., 423 S. Hanover St., Baltimore 1, Md.
Turco Products Inc 24600 S Main St North Wilmington Calif
Union Carbide Chemicals Co 30 E 42nd St N Y 17 N Y "Cellosolve"
V-C—See Virginia-Carolina Chemical Corp
Varsol—See Esso Standard Oil Co
Vinsol—See Speco Inc
Virgina-Carolina Chemical Corp 401 E Main St Richmond Va "V-C Fit" "V-C Jet" "V-C Quick" "V-C Zip"
Warehousing Distributing Co 3810 N 19th St Philadelphia 40 Pa "Sure-Rite"
White & Bagley Co 100 Foster St Worcester 8 Mass
Whiz—See R M Hollingshead Co
Witch Oil—See Mitchell-Bradford Chemical Co
Wyandotte Chemicals Corp., J. B. Ford Div Wyandotte Mich "Nordall"

SOUND DEADENING MATERIAL—See Insulation, Felt, Hair, Paper, Etc.; Insulation, Heat and Sound (Liquid); also Pads, Insulation (Heat, Cold & Sound)

SPACER TUBES—See Tubes, Spacer

SPACERS, Machinery

De-Sta-Co—See Detroit Stamping Co
Detroit Stamping Co 350 Midland Ave Detroit 3 Mich "De-Sta-Co" (Milling machine arbor)
Euco—See George Scherr Co
Scherr Co George 200 Lafayette St New York 12 N Y "Euco" (Milling machine)
Simonds Saw & Steel Co 470 Main St Fitchburg Mass
Whitehead Stamping Co 1661 W Lafayette Blvd Detroit 16 Mich

SPACING WASHERS—See Washers, Spacing

SPARK COILS—See Coils, Ignition

SPARK PLUG EQUIPMENT—See Cables (Sets); also Terminals, Wire

SPARK PLUG PARTS—See also Insulators, Spark Plug

SPARK PLUGS—See Plugs, Spark

SPARKING POINTS—See Points, Contact (Ignition)

SPEED ALARMS (SAFETY) — See Signals, Excess Speed

SPEED CONTROLLERS—See Governors, Engine

SPEED INDICATORS—See Indicators, Speed (Machinery)

SPEED REDUCERS—See Reducers, Speed

SPEED REGULATORS, ELECTRIC MOTOR —See Regulators, Speed (Electric Motor)

SPEEDOMETER PARTS—See Dials, Instrument; Gears and Pinions, Speedometer; Parts, Speedometer; also Shafting, Flexible

SPEEDOMETER TESTING INSTRUMENTS —See Instruments, Speedometer Testing

SPEEDOMETERS

AC Spark Plug The Electronics Div of General Motors 1300 N Dort Highway Flint 2 Mich

Electric Auto-Lite Co Toledo 1 Ohio
Jones-Motorola Corp., 432 Fairfield Ave., Stamford, Conn. (For fire engines, trucks, racing cars, etc.)
K-S—See King-Seeley Corp.
King-Seeley Corp., K-S Bldg., 315 S. First St., Ann Arbor, Mich. "K-S."
Stewart-Warner Corp Instrument Div 1826 Diversey Parkway Chicago Ill (Magnetic and electric)
Waltham Precision Instrument Co 221 Crescent Co Waltham 54 Mass

SPINDLES, Drilling and Grinding Machines

Cincinnati Electrical Tool Co 300 Mt Hope Ave Cincinnati 4 Ohio
Ex-Cel-O Corp 1200 Oakman Blvd Detroit 32 Mich (Grinding)
Seibert & Sons Inc 1008 E 24th St Chenoa Ill (Drilling)

SPLINE MILLING MACHINES — See Machines, Milling (Spline)

SPLINE ROLLER MACHINES—See Machines, Spline Roller

SPOT FACING TOOLS—See Tools, Spot Facing

SPOTLIGHTS—See Lamps, Fog, Road and Spot

SPRAY BOOTH COMPOUNDS — See Compounds, Spray Booth

SPRAYERS, Composition

(For sound deadening on car bodies)

Alemite-Versatal—See Stewart-Warner Corp
Binks Mfg Co 3120 Carroll Ave Chicago 12 Ill
Black Mfg Co 403 Penn St Baltimore 30 Md "Muff Gun"
DeVilbiss Co 300 Phillips Ave Toledo 1 Ohio
Graco—See Gray Co
Gray Co 60 11th Ave N E Minneapolis 13, Minn. "Graco."
Grover Mfg Co 850 E Valley Blvd San Gabriel Calif
Lawson Co F H Evans & Whately Sts Cincinnati 4 Ohio
Lincoln Engrg Co 4010 Goodfellow Blvd St Louis 20 Mo
Metallizing Co of America 3520 W Carroll Ave Chicago 24 Ill "Mogul"
Mogul—See Metallizing Co of America
Muff Gun—See Black Mfg. Co.
Stewart-Warner Corp., Alemite Div., 1826 **Diversey Parkway, Chicago 14, Ill. "Alemite-Versatal."**

SPRAYERS, Molten Metal

Albertson & Co., 3100 Lowell Ave., Sioux City, Iowa. "Sioux."
Metallizing Engineering Co 1101 Prospect Ave Westbury L I N Y "Metco"
Metco—See Metallizing Engineering Co.
Sioux—See Albertson & Co.
Spraywelder—See Wall Colomonoy Co
Wall Colomonoy Co 19345 John R St Detroit 3 Mich "Spraywelder"

SPRAYERS, Paint, Varnish and Lacquer

(See also Machines, Painting)

Autojet—See Spraying Systems Co
Binks Mfg Co 3120 Carroll Ave Chicago 12 Ill
Black Arrow—See Black Mfg. Co
Black Mfg Co 403 Penn St Baltimore 30 Md **"Milburn" "Black Arrow"**
Brown Corp W R 2701 N Normandy Ave Chicago 35 Ill "Marvel" "Speedy" (Also auto power.)
Campbell-Hausfeld Co 211 Railroad Ave Harrison Ohio "Pressure Maid" "Pressure Princess" "Pressure Queen" "Pressure Pal"
Cleveland Container Co Abrasive Div 3571 W 62nd St Cleveland 2 Ohio (Spray gun heads for paint cans)
Decora Mfg. Co., 1516 Park Ave., Emeryville 8, Calif.
DeVilbiss Co., 300 Phillips Ave., Toledo 1, O.
Dupli-Color Products Co 2440 S Michigan Ave Chicago 16 Ill (Operated from car engine)
Enginair—See G H Meiser & Co
G M Co Mfg Inc 13-08 43rd Ave Long Island City L I N Y
Gray Co 60 11th Ave N E Minneapolis 13 Minn "Paintmaster"
Handigrip—See Plummer Spray Equipment Co.
Kelite Corp 1250 N Main St Los Angeles Calif
M & E Mfg Co 2571 Winthrop Ave Indianapolis 5 Ind "M & E" "Micro-Spray"
Marvel—See W. R. Brown Corp.
Master Mfg Co 811 W Cabrini St Chicago 7 Ill "Master" "Trim-Ace-Rex" (Guns)
Meiser & Co G H P O Box 208 Blue Island Ill "Enginair" (Operated by auto or truck engine)
Micro-Spray—See M & E Mfg Co
Milburn—See Black Mfg. Co.
Nordson Corp Jackson St Amherst Ohio (Airless)
Paasche Airbrush Co., 1909 Diversey Parkway, Chicago 14, Ill.
Paintmaster—See Gray Co
Pioneer Air Compressor Co., 120 Chambers St., New York 7, N. Y.
Plummer Spray Equipment Co., 700 Fillmore St., Napoleon, Ohio. "Handigrip," "Plummer."
Pressure Maid—See Campbell-Hausfeld Co
Pressure Pal—See Campbell-Hausfeld Co
Pressure Princess — See Campbell-Hausfeld Co
Pressure Queen—See Campbell-Hausfeld Co
Ransburg Electro-Coating Co 1234 Barth Ave Indianapolis 7 Ind (Electrostatic)
Saylor-Beall Mfg. Co., St. Johns, Mich.
Sharpe Mfg. Co., 1224 Wall St., Los Angeles 15, Calif.
Speedy—See W. R. Brown Corp.
Spraco—See Spray Engineering Co.
Spray Engineering Co 100 Cambridge St Burlington Mass "Spraco"
Spraying Systems Co 3200 Randolph St Bellwood Ill "Autojet" (Hydraulic)
Sprayit—See Thomas Industries Inc Electric Sprayit Div
Thomas Industries Inc Electric Sprayit Div 14th & Illinois Sts Sheboygan Wis "Sprayit"
Trim-Ace-Rex—See Master Mfg Co

SPRAYING BOOTHS—See Booths, Spraying (Enamel, Lacquer and Paint)

SPRING MACHINERY AND TOOLS—See Furnaces, Spring Fitting; Machines, Coiling (Spring); Machines, Grinding (Spring, Washers, etc.); Machines, Testing (Spring); Tools, Spring Coiling; also Tools, Spring Testing

SPRING PARTS AND ATTACHMENTS—See Bolts, Spring; Bumpers, Spring; Clips, Spring (Auto); Inserts, Spring Leaf; Links, Spring Shackle; Parts, Spring; also Shackles, Spring

SPRINGS, Air (Auto, Truck, Trailer and Bus)

Airide—See Firestone Industrial Products Co
Air Lift Co 2328 W Main St Lansing Mich "Air Lift" (Auto; "Loadlifter" truck)
Caravan—See United Mfg Co
Firestone Industrial Products Co Nobelsville Ind "Airide"
General Tire & Rubber Co Air Spring Div Englewood & Holmes Ave Akron 9 Ohio
Goodyear Tire & Rubber Co 1144 E Market St Akron 16 Ohio (Truck and bus)
Loadlifter—See Air Lift Co
United Mfg Co 5250 Dobeckmun Ave Cleveland 2 Ohio "Caravan" (Trailer)
United States Rubber Co. Rockefeller Center 1230 Ave of the Americas N Y 20 N Y

SPRINGS, Flat or Coil

A K Tool Co Route 22 Mountainside N J (Small)
All-Rite Mfg Co 7333 W Wilson Ave Chicago 31 Ill (Coil)
Aluminum Industries Inc 3670 Werk Rd Cincinnati 11 Ohio "Permite"
American Motor Products Co Fond du Lac Wis "Ampco" (Fuel and vacuum coil)
American Steel & Wire Div United States Steel Corp Rockefeller Bldg Cleveland 13 Ohio
Ampco—See American Motor Products Co
Automatic Spring Coiling Co 4045 W Thorndale Ave Chicago 46 Ill (Valve and clutch coil)
Automotive Rubber Co 12584 Beech Rd Detroit 39 Mich (Rubber and plastic covers)
Barnes Wallace Div Associated Spring Corp 18 Main St Bristol Conn
Benz Spring Co 321 N W Ninth Ave Portland 9 Ore
Burton Auto Spring Corp Western Ave at 48th St Chicago 32 Ill (Coil)
CF&I-Wickwire—See Colorado Fuel & Iron Corp
Champ Spring Co 2107 Chouteau Ave St Louis 3 Mo (Coil)
Cleveland Graphite Bronze Div of Clevite Corp 17000 St Clair Ave Cleveland 10 Ohio "Monmouth" (Knee action coil)
Colorado Fuel & Iron Corp Wickwire Spencer Steel Div 575 Madison Ave N Y 22 N Y "CF&I-Wickwire" (Valve clutch starter and pedal release)
Cuyahoga Products Corp 10252 Berea Rd , Cleveland 2 Ohio (Small)
Dunbar Bros Div Associated Spring Corp Bristol Conn
Eaton Mfg Co Spring Div 9771 French Rd Detroit 34 Mich
Hubbard Spring Mfg Co M D 646 Central Ave Pontiac Mich (Small)
Jambor Tool & Stamping Co 3057 N 30th St Milwaukee 10 Wis (Valve)
Kokomo Spring Co Firmin & La Fountain St Kokomo Ind
Monmouth—See Cleveland Graphite Bronze Div
Moog Industries Inc 6565 Wells Ave St Louis 33 Mo (Coil)
Naco—See R F Nauman Mfg Co
Nauman Mfg Co R F 222 Chicago St Buffalo 4 N Y "Naco" (Coil carburetor and throttle return)
Perfection Gear Co 152nd St & Vincennes Ave Harvey Ill (Valve and clutch)
Permite—See Aluminum Industries Inc
RMC—See Rich Mfg Corp
Raymond Mfg Div Associated Spring Corp 226 S Center St Corry Pa
Rich Mfg Corp 96 N Division St Battle Creek Mich "RMC" (Valve)
Service Spring Co Box 638 Indianapolis 6 Ind (Coil)
Spring Div Borg-Warner Corp Madison St & 25th Ave Bellwood Ill (Flat)
Toledo Steel Products Div of Thompson-Ramo-Woolridge Inc 6402 Cedar Rd Cleveland 3 Ohio (Valve; also coil for front wheel suspension; and shock absorber)
U S Steel Wire Spring Co 7800 Tinney Ave Cleveland 5 Ohio

SPRINGS, Helper

Champ-Items Inc 6131 Maple Ave St Louis 14 Mo
Davis Auto Equipment Co 119 N Third St Reading Pa "Mono-Flex"
Koenig Iron Works Inc PO Box 7726 Houston 10 Tex
Mono-Flex—See Davis Auto Equipment Co
Monroe Auto Equipment Co 1426 E First St Monroe Mich "Monroe Load-Leveler"
Moog Industries Inc 6650 Easton Ave St Louis 4 Mo
Pickwick Co 1110 Glass Rd NE Cedar Rapids Iowa
Prior Products Inc 4828 Racell St Dallas Tex
Service Spring Co Box 638 Indianapolis 6 Ind "Service-Indianapolis"
Standard Supply Co 5920 Bryant St Pittsburgh 6 Pa "Stanalevel"
Trainor National Spring Co Box 391 New Castle Ind
Tuthill Spring Co PO Box 47 Momence Ill
Vulcan Spring Co PO Box 47 Momence Ill

SPRINGS, Leaf

Benz Spring Co., 321 N. W. Ninth Ave., Portland 9, Ore.
Betts Spring Co., 868 Folsom St., San Francisco, Calif.
Burton Auto Spring Corp., Western Ave at 48th St Chicago 32 Ill
Casco—See Cincinnati Auto Spring Co.
Champ Spring Co., 2107 Chouteau Ave., St. Louis, Mo. "Champion."
Champion—See Champ Spring Co.
Cincinnati Auto Spring Co 5753 Este Ave Cincinnati 32 Ohio "Casco" (For trucks and trailers.)
DSP—See Detroit Steel Products Div of Fenestra Inc
Detroit Steel Products Div of Fenestra Inc 6000 Caniff Ave Detroit 12 Mich "DSP"
Dexter—See Liggett Spring & Axle Co
Eaton Mfg. Co., Spring Div., 9771 French Road, Detroit, Mich.
Iron City Spring Co., 2920 Smallman St., Pittsburgh, Pa.
Laher Spring & Tire Corp 2615 Magnolia St Oakland 7 Calif
Liggett Spring & Axle Co Monongahela Pa "Dexter" "Liggett" (Auto truck and trailer)
Mather Spring Co P O Box 6695 Toledo 1 Ohio
Moog Industries Inc 6565 Wells Ave St Louis 33 Mo
Republic Engrg & Mfg Co 6565 Wells Ave St Louis 14 Mo
Rheem Automotive Co 601 S Placentia Ave Fullerton Calif (Suspension)
Service Spring Co Box 638 Indianapolis 6 Ind "Service-Indianapolis"
Spring Perch Co Hamburg Turnpike (P O Box 6) Lackawanna 18 N Y
Swartz Products Inc 1230 W School St Chicago 13 Ill

SPRINGS, Leaf—continued

Trainor National Spring Co., Box 391, New Castle, Ind
Triangle Auto Spring Corp., Maloney Rd. & B & O R. R., Dubois Pa.
Tuthill Spring Co PO Box 47 Momence Ill
Vail Spring Works Inc P O Box 4008 Broad Creek Sta Norfolk Va
Vulcan Spring Co Box 47 Momence Ill

SPRINGS, Seat or Upholstery

Barber Mfg. Co., 1824 Brown St., Anderson, Ind
Bostrom Corp 133 W Oregon St Milwaukee 4 Wis
Fort Pitt Mfg. Co., 1501 Preble Ave., N. S., Pittsburgh 33, Pa.
Goshen Cushion & Body Co., N. Second St., Goshen, Ind
Rockwell-Standard Corp Seating Div 7035 W 65th St Chicago 38 Ill
Royco—See Royersford Spring Co
Royersford Spring Co., First Ave. & Main St., Royersford, Pa. "Royco." "Royco Lace Web." (For trucks and buses.)
Sagless Auto Seat Co., 2501 S. State St., Chicago Ill
Stubnitz-Greene Corp 404 Logan St Adrian Mich (Seat)
Young Spring & Wire Corp 9200 Russell St Detroit 11 Mich

SPRINGS, STARTING MOTOR DRIVE—See Parts, Starting Motor Drive

SPRINGS, Torsion Bar

Mather Spring Co P O Box 6695 Toledo 1 Ohio (For autos buses trucks and trailers and off-the-road equipment)

SPROCKET WHEELS, POWER TRANSMISSION—See Chains and Sprockets, Power Transmission

SPROCKETS, Machined

(For sprocket blanks—See Castings; also Forgings)

Chain Belt Co 4733 W Greenfield Ave Milwaukee 1 Wis "Rex"
Cullman Wheel Co 1344 Altgeld St Chicago 14 Ill
Link-Belt Co Dept 59-AIPG Prudential Plaza Chicago 1 Ill
Rex—See Chain Belt Co
Whitney Chain Co 237 Hamilton St Hartford 2 Conn

STACKING MACHINES—See Elevators, Industrial (Portable)

STAKE BODY PARTS — See Parts Stake Body (Steel)

STAMPINGS, Metal

A K Tool Co Route 22 Mountainside N J
Accurate Spring Mfg Co 3811 W Lake St Chicago 24 Ill
Ackermann Mfg Co 1134 Market St Wheeling W Va "Ackermann-Wheeling" (Steel)
Ackermann-Wheeling—See Ackermann Mfg Co
Acklin Stamping Div of Tecumseh Products Co 1 25 Nebraska Ave Toledo 7 Ohio
Acme Mfg & Gasket Co 738 N 41st St Philadelphia 4 Pa
Active Tool & Mfg Co 888 Clairpointe St Detroit 15 Mich
Adam & Westlake Co 1019 N Michigan St Elkart Ind "Adlake"
Adams Co S G 920 Olive St. St Louis 1 Mo
Adlake—See Adam & Westlake Co
Aetna Industries 24331 Sherwood St Center Line Mich (For Ford Chrysler Packard General Motors and American Motors Corp)
Ainswörth-Precision Castings Co Div of Harsco Corp 3200 Guardian Bldg Detroit 26 Mich
Akron-Selle Co High & Chestnut Sts Akron 11 Ohio "Tasco"
Allied Products Corp Richard Bros Die & Prototype Div 1560 E Milwaukee Ave Detroit 11 Mich
Alofs Mfg Co 345 32nd St S W Grand Rapids 8 Mich
Alox Mfg Co 6160 Maple Ave St Louis 14 Mo
Aluminum Co of America 1501 Alcoa Bldg Pittsburgh 19 Pa
American Brass Co Fabricated Metal Goods Div 26 Crane St Waterbury 20 Conn
American Coil Spring Co Keating Ave at Huizenga St Muskegon Mich
American Forging & Socket Co PO Box 210 Pontiac Mich
American Metal Products Co 5959 Linsdale Ave Detroit 4 Mich
American Nut & Bolt Fastener Co 2029 Doerr St Pittsburgh 33 Pa
American Spring & Wire Specialty Co 816 N Spaulding Ave Chicago 51 Ill
American Stamping Co 310 E Burnham St Battle Creek Mich
American Stamping Co 26650 Lakeland Blvd Cleveland 32 Ohio
Amesbury Metal Products Co 39 Oakland St Amesbury Mass
Anderson Co O L 1347 E Fort St Detroit 7 Mich
Ansted Corp 1428 W Henry St Indianapolis 7 Ind
Anzick Mfg Co 23675 Mound Rd Van Dyke Mich
Apco Mossberg Co Lamb St Attleboro Mass
Applied Arts Corp 365 Lane Ave S W Grand Rapids 2 Mich
Arvin Industries Inc 13th St & Big Four RR Columbus Ind
Ashtabula Bow Socket Co 4212 Ann Ave Ashtabula Ohio
Atwood Vacuum Machine Co 1400 Eddy Ave Rockford Ill
Auld Co D L Fifth Ave & Fifth St Columbus 1 Ohio
Auto City Sheet Metal Co 4211 Nancy Ave Detroit 12 Mich
Automotive Rubber Co 12584 Beach Rd Detroit 39 Mich (Rubber and plastic covered)
Banner Die Tool & Stamping Co 1308 Holly Ave Columbus 8 Ohio
Barcy-Nicholson Co 8100 Joy Rd Detroit 4 Mich
Barnes Div Wallace Associated Spring Corp 18 Main St Bristol Conn
Barth Corp 12650 Brookpark Rd Cleveland 30 Ohio
Bath Co Cyril 32400 Aurora Rd Solon Ohio
Bay State Stamping Co 372 Chandler St Worcester Mass
Beatrice Steel Tank Mfg Co 700 S 7th St Beatrice Nebr
Beck Products Corp 12255 E Eight Mile Rd Detroit 5 Mich
Bellevue Mfg Co Ashford Ave Bellevue Ohio
Bermo Industries Inc 216 W 86th St Minneapolis Minn
Bingham Stamping Div Bingham-Herbrand Corp 1062 Post St Toledo 6 Ohio
Bossert — See Rockwell - Standard Corp Stamping Div
Bowen Products Corp Auburn N Y
Brandt Inc Charles T 1700 Ridgely St Baltimore 30 Md
Brewer-Titchener Corp 115 Pt Watson St Cortland N Y
Brown Corp of Ionia Inc 314 S Steele St Ionia Mich
Brown-Lipe-Chapin Div of General Motors Corp Town Line Rd Syracuse N Y (Steel or aluminum)
Burgess-Norton Mfg Co 737 Peyton St Geneva Ill
Carr Fastener Co 31 Ames St Cambridge Mass
Chicago Forging & Mfg Co 2000 Southport Ave Chicago 14 Ill
Chicago Tool & Kit Mfg Co 230 N Jefferson St Chicago 6 Ill
Cinch Mfg Corp 1026 S Homan St Chicago 24 Ill
City Auto Stamping Co Div of Globe-Wernicke Industries Inc Lint & Dura Aves Toledo 12 Ohio
Cleveland Steel Products Corp 16025 Brookpark Rd Cleveland 35 Ohio
Cleveland Wire Spring Co Div Stubnitz Greene Spring Corp 300 E Main St DeSoto Mo
Coatesville Plate Washer Co 1642 Widener Bldg Philadelphia 7 Pa
Commercial Shearing & Stamping Co 1775 Logan Ave Youngstown Ohio
Cook Metal Works Inc 237 S Campbell Ave Mishawaka Ind
Crosby Co 183 Pratt St Buffalo 5 N Y
Culver-Stearns Mfg Co 181 Greenwood St Worcester 7 Mass
Cutler Metal Products Co 1025 Line St Camden N J
Cuyahoga Products Corp 10252 Berea Rd Cleveland 2 Ohio
Cuyahoga Stamping Co 1021 Harvard St Cleveland 5 Ohio
Dahlstrom Metallic Door Co Special Products Div 429 Buffalo St Jamestown N Y
Dail Steel Products Co Main & Hosmer Sts Lansing Mich
Dana Corp 4100 Bennett Rd Toledo 1 Ohio "Parish"
De-Sta-Co—See Detroit Stamping Co
Detroit Stamping Co 350 Midland Ave Detroit 3 Mich "De-Sta-Co"
Detroit Universal Div Chrysler Corp 6455 Kingsley Ave Dearborn 1 Mich
Diamond G—See George K Garrett Co
Diener Mfg Co Geo W 400 Monticello Ave Chicago 24 Ill
Dieterich Products Corp U S 12 & Liberty Trail Michigan City Ind
Dill Mfg Co 700 E 82nd St Cleveland 3 Ohio
Douglas Mfg Div Kingston Products Co Railroad St Bronson Mich
Dunbar Bros Div Associated Spring Corp Bristol Conn (Small)
Eastern Tool & Mfg Corp Montgomery St Belleville 9 N J
Eaton Mfg Co Spring Div 9771 French Rd Detroit 31 Mich
Eaton Mfg Co Stamping Div 17877 St Clair Ave Cleveland 10 Ohio
Eisenhauer Mfg Co PO Box 390 Van Wert Ohio
Engineered Products Co 129 Smith St Flint 4 Mich
Estan Mfg Co 1605 Bonner St Ferndale 20 Mich
Evans Products Co 13101 Eckles Rd Plymouth Mich
Excel Corp 1120 N Main St Elkhart Ind
Fabco Inc 1260 W Jefferson Ave Trenton Mich
Fashionized—See Firestone Steel Products Co
Fastex Div of Illinois Tool Works 195 Algonquin Rd Des Plaines Ill
Firestone Steel Products Co 1600 Firestone Parkway Akron 1 Ohio "Fashionized" (Aluminum)
Fitzsimons Mfg Co 3775 E Outer Drive Detroit 34 Mich
Forsyth Metal Goods Co Elm St East Aurora N Y
Fort Pitt Mfg Co 1501 Preble Ave N S Pittsburgh 33 Pa
Foxcraft Products Co PO Box 128 Huntington Valley Pa
Freeway Washer & Stamping Co PO Box 1756 Cleveland 5 Ohio
GGG Metal Stamping Co Box 114 Warren Pa
Garland Mfg Co 10533 Gratiot Ave Detroit 13 Mich
Garrett Co George K Torresdale Ave at Tolbut St Philadelphia 36 Pa "Diamond G"
Gasket Packing & Specialty Co 41 N Saxon Ave Bay Shore L I N Y
General Pressed Metal Corp 926 Wolf St Syracuse 8 N Y
General Tire & Rubber Co Industrial Products Div Wabash Ind
Geometric Stamping Co 1111 E 200th St Cleveland 17 Ohio
Gerstenslager Co Wooster Ohio
Geuder Paeschke & Frey Co 324 N 15th St Milwaukee 1 Wis
Guarantee Specialty Mfg Co E 96th St & N Y C RR Cleveland 8 Ohio
H & P Die & Stamping Co 13945 Triskett Rd Cleveland 11 Ohio
Hall Lamp Co C M 1035 E Hancock Ave Detroit Mich
Hardy Mfg Corp W Pearl St Union City Ind
Haviland Co Arnold 1008 S Jackson St Defiance Ohio
Hill Nut Co 2620 W Flournoy St Chicago 12 Ill
Houdaille Industries Inc Detroit Div 2660 E Grand Blvd Detroit 11 Mich
Houdaille Industries Inc Manzel Div 315 Babcock St Buffalo 10 N Y
Hubbard Spring Mfg Co MD 646 Central Ave Pontiac Mich
Hurd Lock & Mfg Co 9689 Grand River Ave Detroit 4 Mich
Imperial Electrical Co N Plum St Union City Ind
Ingersoll Products Div Borg-Warner Corp 1000 W 120th St Chicago 43 Ill
Ingersoll Steel Div Borg-Warner Corp PO Box 273 New Castle Ind
Johnson Sheet Metal Works Corp 620 S J St Richmond Ind
Kaiser Metal Products Inc Radcliffe St Bristol Pa
Kelsey-Hayes Co Heintz Div Front St & Olney Ave Philadelphia 20 Pa
Keystone Gasket Mfg Co 833 N Fourth St Philadelphia 23 Pa
Kickhaefer Mfg Co 903 S Second St Milwaukee 4 Wis
Kongislow Mfg Co Otto 3600 Perkins Ave Cleveland 14 Ohio
Laminated Shim Co 62 Union St Clenbrook Conn
Lansing Stamping Co 1159 S Pens Ave Lansing 2 Mich
Larson Tool & Stamping Co Olive St Attleboro Mass
Lees Div of Serrick Corp John 1300 Batavia St Muncie Ind
Lewis Spring & Mfg Co 2652 W North Ave Chicago 47 Ill
Lidseen of N C Inc 1000 First St Hayesville N C
Logan Co Cabel St Louisville 16 Ky
Long Mfg Div Borg-Warner Corp 12501 Dequindre St Detroit 12 Mich
Lothrop Co Frank B 965 W Grand St Elizabeth N J

M-P—See Master Products Co
McCord Corp Riopelle at E Grand Blvd Detroit 11 Mich
McDowell Mfg Co 301 Stanton Ave Pittsburgh 9 Pa
McLaughlin Body Co 2430 Third Ave Moline Ill
Marlex Mfg Co 415 Wells St Caro Mich
Master Products Co 6400 Park Ave S E Cleveland 5 Ohio "M-P"
Mather Spring Co PO Box 6695 West Toledo Sta Toledo 12 Ohio (Light)
May-Fran Engineering Inc 1710 Clarkstone Rd Cleveland 12 Ohio
Melrath Supply & Gasket Co Tioga & Memphis Sts Philadelphia 34 Pa
Mercury Aircraft Inc Hammondsport N Y
Metal Moulding Corp 14451 W Chicago St Detroit 28 Mich
Metal Specialty Co Este Ave & B & O RR Cincinnati 32 Ohio
Michigan Plating & Stamping Co 740 Ann St N W Grand Rapids Mich
Midland-Ross Corp Detroit Div 6660 Mt Elliott Ave Detroit 11 Mich
Midwest Body & Mfg Div Electrographic Corp S Central St Paris Ill
Milwaukee Stamping Co 800 S 72nd St Milwaukee 14 Wis
Mirro Aluminum Co Manitowoc Wis
Mitchell Metal Products Inc 6501 Cedar Ave Cleveland 3 Ohio
Mitchell Specialty Div Industrial Enterprises Inc Edmund & Shelmore Sts Philadelphia 36 Pa
Monarch Rubber Co Hartville Ohio
Monroe Auto Equipment Co 1426 E First St Monroe Mich
Morris Co George W 427 Lake St Racine Wis
Morrison Steel Products Inc 601 Amherst St Buffalo 7 N Y
Motor Wheel Corp 735 E Saginaw St Lansing 3 Mich
Noera Mfg Co Div of Chase Brass & Copper Co 236 Grand St Waterbury 20 Conn
Northern Engraving & Mfg Co 4th & Vine Sts La Crosse Wis (Anodize aluminum)
Olin Mathieson Chemical Corp Western Brass Metals Div 400 Park Ave New York 22 N Y "Western" (Brass)
Oneida Products Div Henney Motor Co Canastota N Y
Orrville Body Co Orrville Ohio
Paramount Fabricating Co 13595 Helen Ave Detroit 12 Mich
Parish—See Dana Corp
Parish Pressed Steel Div of Dana Corp Robeson &Weiser Sts Reading Pa
Parkview Metal Products Inc 4931 W Armitage Ave Chicago Ill
Parsons Co 15000 Oakland Ave Detroit 3 Mich
Patton-MacGuyer Co Baker St & Virginia Ave Providence 5 R I
Peerless Novelty Co First & Fulton Sts Grand Haven Mich
Peninsular Metal Products Corp 1365 Jarvis St Detroit 20 Mich
Peters Stamping Co Mulberry St Perrysburg Ohio (Steel and aluminum)
Philadelphia Gasket & Mfg Co F & Atlantic Sts Philadelphia 34 Pa
Pittsburgh Forgings Co Thorn St Coraopolis Pa
Plume & Atwood Mfg Co Main St Thomaston Conn
Powell Pressed Steel Co Erie St Hubbard Ohio
Press Work Inc Lead Alloy Products Div 9100 Roselawn Ave Detroit 4 Mich
Pressed Steel Co 705 N Pennsylvania Ave Wilkes-Barre Pa
Presteel—See Worcester Pressed Steel Co
Production Die & Stamping Co 1834 Garfield Ave Detroit 7 Mich
Purolator Products Inc Wayne Div Wayne Mich
Randall Co 5000 Spring Grove Ave Cincinnati 32 Ohio
Raymond Mfg Div Associated Spring Corp 226 S Center St Corry Pa
Regal Motor Products Inc 6325 Grand River Ave Detroit 8 Mich
Reichert Float & Mfg Co 2242 Smead Ave Toledo 7 Ohio
Republic Steel Corp Pressed Steel Div 6100 Trusco Ave Cleveland 27 Ohio
Rex Metal Parts Co 1295 W 78th St Cleveland 2 Ohio
Robin Products Co 27027 Groesbeck Hwy Warren Mich
Rockford Metal Products Inc 716 Cedar St Rockford Ill
Rockwell-Standard Corp Spring Div 301 East St Chelsea Mich
Rockwell-Standard Corp Stamping Div 1002 Oswego St Utica 1 N Y "Bossert"
Ryerson & Haynes Inc 2307 E Ganson St Jackson Mich
Scovill Mfg Co 99 Mill St Waterbury 20 Conn
Service Products Corp 201 S Rural St Indianapolis 1 Ind
Sheet Metal Specialty Div of Follansbee Steel Corp State St Follansbee W Va
Sherman Mfg Co H B 22 Barney St Battle Creek Mich
Smith Corp A O 27th & Hopkins Sts Milwaukee 1 Wis
Soss Mfg Co 21777 Hoover Rd Detroit 13 Mich
Spring Div Borg-Warner Corp Madison St & 25th Ave Bellwood Ill (Punch press)
Spring Perch Co Hambury Turnpike Lackawanna 18 N Y
Standard Brass Corp 915 W Perry St Belvidere Ill
Standard Products Co 2130 W 110th St Cleveland 2 Ohio (Aluminum and steel)
Stanley Works Pressed Metal Div 195 Lake St New Britain Conn
Stant Mfg Co 1620 Columbia St Connersville Ind
Sterling Stamping Co 21680 W 8 Mile Rd Detroit 19 Mich
Stimpson Co Edwin B 70 Franklin Ave Brooklyn 5 N Y
Stolitzka & Son Frank J 237 N Adams St Akron Ohio
Stolper Steel Products Corp 300 Pilgrim Rd Menomonee Falls Wis
Superior Metal Products Co 3180 Auburn Rd Auburn Heights Mich (Small)
Superior Metal Products Inc Branson & 18th Sts Marion Ind
Superior Wrought Washer Co 1951 W 90th St Cleveland 2 Ohio
Tasco—See Akron-Selle Co
Taylor Products Div Tecumseh Products Co 1100 W Beardsley Ave Elkhart Ind
Timms Spring Co Taylor & Boston Sts Elyria Ohio
Toledo Pressed Steel Co 397 Phillips Ave Toledo 12 Ohio
Toledo Stamping & Mfg Co 99 Fearing Blvd Toledo Ohio
Transue & Williams Steel Forging Corp 562 Ely St Alliance Ohio
Tubing Seal Cap Co Div of Vol-Stan Industries Inc 808 W Santa Anita St San Gabriel Calif (Small)
Turner Corp 821 Park Ave Sycamore Ill
United-Carr Fastener Corp Statler Office Bldg Boston 16 Mass
United Metal Craft Co 800 Lowell St Ypsilanti Mich
United Screw & Bolt Corp 3590 W 58th St Cleveland Ohio
United Shoe Machinery Corp 140 Federal St Boston 7 Mass
United Specialties Div Industrial Enterprises Inc 9705 Cottage Grove Ave Chicago 2 Ill
U S Steel Wire Spring Co 7800 Finney Ave Cleveland 5 Ohio
Victor Mfg & Gasket Co 5750 W Roosevelt Rd Chicago 50 Ill
Wagner Mfg Co E R 4611 N 32nd St Milwaukee 16 Wis
Waterbury Companies Inc 835 S Main St Waterbury 20 Conn
Waterbury Pressed Metal Co 300 Chase Ave Waterbury Conn
Waynco—See Wayne Foundry & Stamping Co
Wayne Foundry & Stamping Co 3100 Hubbard Ave Detroit 10 Mich "Waynco"
Wesbar Stamping Corp West Bend Wis
Western—See Olin Mathieson Chemical Corp
Western Metal Specialty Div Western Industries Inc 1213 N 62nd St Milwaukee 13 Wis
Wheeling Steel Corp Wheeling Steel Bldg Wheeling W Va
Whitehead Stamping Co 1661 W Lafayette Blvd Detroit 16 Mich
Wisconsin Gasket & Mfg Co 8724 N Granville Rd Granville Wis
Worcester Pressed Steel Co 100 Barber Ave Worcester 6 Mass "Presteel"
Worcester Stamped Metal Co 9 Hunt St Worcester 4 Mass
Wrought Washer Mfg Co 2107 S Bay St Milwaukee 7 Wis
York Corrugating Co Adams St & W Md RR York Pa (Truck)
Young Radiator Co 709 S Marquette St Racine Wis
Young Spring & Wire Corp 9200 Russell St Detroit 11 Mich
Youngstown Kitchens-Div of American-Standard 605 S Ellsworth St Salem Ohio
Zenite Metal Corp PO Box 939 Blytheville Ark (Steel zinc and aluminum)
Zierick Mfg Corp Beechwood & Rockdale Aves New Rochelle N Y

STAMPINGS, Plastic

Franklin Fibre Lamitex Corp 18th St E of Market St Wilmington Del

STAMPS, Steel

(For numbering or lettering parts)

Acromark Co 9-13 Merrell St Elizabeth 4 N J "Acromark," "Acrostamp"
Acrostamp—See Acromark Co
Adams Co S G 920 Olive St St Louis 1 Mo
Baker & Co 101 Duane St New York 7 N Y
Colonial Broach & Machine Co P O Box 37 Harper Sta Detroit 13 Mich
Cunningham Co M E 1025 Chateau St Pittsburgh 33 Pa "Wedge Grip" "Mecco Safety"
Dixon Inc William 32-42 Kinney St Newark 1 N J
Duo-Life—See Jas H Matthews & Co
Greenfield Steel Stamp Works 2 Mead St Greenfield Mass
Hanson Co C H 303 W Erie St Chicago Ill
Hi-Duty—See Geo T Schmidt Inc
Hoggson & Pettis Mfg Co 141 Brewery St New Haven 7 Conn
Knight & Son Inc H W 25 Chestnut St Seneca Falls N Y
Los Angeles Stamp & Stationery Co 1500 S Los Angeles St Los Angeles 15 Calif "Mar-King"
Lo-Stress—See Jas H Matthews & Co
Mar-King—See Los Angeles Stamp & Stationery Co
Matthews & Co Jas H 3942 Forbes St Pittsburgh 13 Pa "Safe-Hed" "Duo-Life" "Lo-Stress"
Mecco Safety—See M E Cunningham Co
Numberall Stamp & Tool Co Huguenot Park S I 12 N Y
Pannier Corp 207 Sandusky St Pittsburgh 12 Pa
Safe-Hed—See Jas H Matthews & Co
Schmidt Inc Geo T 4100 Ravenswood Ave Chicago 13 Ill "Hi-Duty"
Superior Steel & Stamp Co 1401 Vermont Ave Detroit 16 Mich
Wedge Grip—See M E Cunningham Co

STANDS, AUTOMOBILE DISPLAY — See Turntables, Automobile

STANDS, CARBURETOR TEST (For Factories)—See Testers, Carburetor (For Factories)

STANDS, DIESEL ENGINE TESTING—See Testers, Diesel Engine

STANDS, Electric Test

(For testing starting and lighting equipment; see also Analyzers, Engine and Electrical Equipment)

Allen Electric & Equipment Co., 2101 N. Pitcher St., Kalamazoo 12F, Mich. (Generator and regulator.)
Crumbliss Mfg Co 3830 N Podlin Dr Franklin Park Ill (Regulator)
Electro Products Co., 445 E. 189th St., New York 58, N Y
Hanson Co Harvey E Lake Blvd & Commercial St Paw Paw Mich
Heyer Industries Inc 471 Cortlandt St Belleville 9 N J
King Electric Equipment Co 9123 Inman Ave Cleveland 5 Ohio (Generator and regulator)
Mercury Electric Co 719 Wyandotte St Kansas City 6 Mo (Generator)
Niehoff & Co C E 4925 W Lawrence Ave Chicago 30 Ill (Regulator test)
Performance Measurements Co 15301 W McNichols Rd Detroit 35 Mich
Shurhit Products Inc 846 S Market St Waukegan Ill
Sun Electric Corp 6323 Avondale Ave Chicago 31 Ill
Weidenhoff Corp Algona Iowa

STANDS, Engine Fuel Flow Test (Automotive)

Fischer & Porter Co 700 Warminster Rd Hatboro Pa

STANDS, for Portable Electric Drills and Grinders

ASI—See Angle Steel Inc
Albertson & Co 3100 Lowell Ave Sioux City 3 Iowa "Sioux"
Angle Steel Inc 56 Oak St Plainwell Mich "ASI"
Black & Decker Mfg Co 629 Pennsylvania Ave Towson 4 Md
Blue Point—See Snap-On Tools Corp
Buck Mfg Co 1355 N Tenth St San Jose Calif "Bux" (Magnetic for drills)
Bux—See Buck Mfg Co
Campbell Co., H. D., 316 N. Sixth St., Rochelle, Ill. "Handy Andy."

STANDS, for Portable Electric Drills and Grinders—continued

Cummins Portable Tools Div of John Oster Mfg Co 5055 N Lydell Ave Milwaukee 17 Wis (Drills)
De Luxe Metal Furniture Co Struthers St Warren Pa
Franklin Co Bernard Hedley & Bath Sts Philadelphia 37 Pa
Handy Andy—See H D Campbell Co
Huot Mfg Co 550 N Wheeler St St Paul Minn "Porta-Cab"
Lee Co K O Congress at First Ave S E Aberdeen S D (Drills)
Millers Falls Co 57 Wells St Greenfield Mass
Milwaukee Electric Tool Co 5350 W State St Milwaukee 8 Wis
Porta-Cab—See Huot Mfg Co
S-K—See Sherman-Klove Co
Service Caster & Truck Corp Albion Mich
Sherman-Klove Co 3535 W 47th St Chicago Ill "S-K"
Sioux—See Albertson & Co
Skil Corp 5033 Elston Ave Chicago 30 Ill "Skil Drill" (Drills)
Snap-On Tools Corp 8046 28th Ave Kenosha Wis "Blue Point"
SpeedWay Mfg Co 1421 Barnsdale Rd La Grange Park Ill "Thor SpeedDrills"
Stanley Electric Tools Div of Stanley Works 480 Myrtle St New Britain Conn (Drills)
Thor Power Tool Co 175 State St Aurora Ill
Thor SpeedDrills—See Speedway Mfg Co
United States Electrical Tool Co 3620 Llewelyn St Cincinnati 23 Ohio

STANDS, Portable (Tool and Parts)

ASI—See Angle Steel Inc
Albertson & Co 3100 Lowell Ave Sioux City 3 Iowa "Sioux"
Angle Steel Inc 55 Oak St Plainwell Mich "ASI"
Barrett-Cravens Co 630 Dundee Rd Northbrook Ill
Bay Products Div American Metal Works Inc 1835 W Cambria St Philadelphia 32 Pa (Steel)
Bernard-Franklin Co Hedley & Bath Sts Philadelphia 37 Pa
Bernard Gloeker North East Co Robinson & Wall Sts North East Pa
Colson Corp Elyria Ohio
Cutler Metal Products Co 1025 Line St Camden N J
Economy Engrg Co 4511 W Lake St Chicago 24 Ill
Equipto Div Aurora Equipment Co Prairie St at Cleveland Ave Aurora Ill
FGM—See Frick-Gallagher Mfg Co
Frick-Gallagher Mfg Co 200 W Second St Wellston Ohio "FGM"
Gross Mfg Co 1711 California St Monrovia Calif
Hallowell—See Standard Pressed Steel Co
Herbrand Div Bingham-Herbrand Corp Lake & Stone Sts Fremont Ohio "Herbrand" "Van Chrome"
Herco—See Karl A Herman Co
Herman Co Karl A 412 Fuller Ave N E Grand Rapids Mich "Herco"
Huot Mfg Co 550 N Wheeler Ave St Paul Minn "Porta-Cab"
Kennedy Mfg Co N Harrison St Van Wert Ohio
Kent-Moore Organization Inc 28635 Mound Rd Warren Mich
Lyon Metal Products Inc 2931 Montgomery St Aurora Ill
Nat-Flex—See Shure Mfg Corp
Nutting Truck & Caster Co 1201 W Division St Faribault Minn
OTC—See Owatonna Tool Co
Overbeke-Kain Co 20905 Aurora Ave Bedford Ohio "Roll-A-Bench"
Owatonna Tool Co 342 N Cedar St Owatonna Minn "OTC"
Porta-Cab—See Huot Mfg Co
Roll-A-Bench—See Overbeke-Kain Co
Scotty—See Shure Mfg Corp
Sheet Metal Specialty Div of Follansbee Steel Corp State St Follansbee W Va
Shure Mfg Corp 1601 S Hanley Rd St Louis 17 Mo "Nat-Flex" "Scotty" "Shure-Bilt"
Sioux—See Albertson & Co
Standard Pressed Steel Co P O Box 395 Jenkintown Pa "Hallowell"
Sturdi-Bilt Steel Products Inc 2501 Peterson Ave Chicago 45 Ill
Van Chrome—See Herbrand Div Bingham-Herbrand Corp
Wilson Inc K R Arcade N Y

STANDS, WELDING—See Positioners, Welding

STARTER EQUIPMENT—See Brushes; Cable; Drives, Starter (Auto); Gears, Flywheel Ring; Keys; Motors, Starting, Switches, Starter; Parts, Starting Motor Drive

STARTERS, Motor, for Factories

Allen-Bradley Co 136 W Greenfield Ave Milwaukee 4 Wis
Arrow-Hart & Hegeman Electric Co 10 Hawthorne St Hartford 6 Conn
C-H—See Cutler-Hammer Inc
Clark Controller Co 1146 E 152nd St Cleveland 10 Ohio "3C"
Cutler-Hammer Inc 362 N 12th St Milwaukee 1 Wis "C-H"
E C & M—See Electric Controller & Mfg Co
Electric Controller & Mfg Co Div of Square D Co 4500 Lee Rd Cleveland 28 Ohio "E C & M"
G-E—See General Electric Co
General Electric Co Apparatus Sales Div 1 River Rd Schenectady 5 N Y "G-E"
Guyan Machinery Co P O Box 150 Logan W Va
Square D Co 6060 Rivard St Detroit 11 Mich
3C—See Clark Controller Co
Weltronic Corp 19500 W 8 Mile Rd Detroit 41 Mich
Westinghouse Electric Corp Motor & Control Div Buffalo N Y
Westinghouse Electric Corp Standard Control Div Beaver Pa

STARTING FLUID (Engine) — See Fluid, Starting (Engine)

STARTING MOTOR DRIVE PARTS—See Drives, Starter; also Parts, Parts, Starting Motor Drive

STARTING MOTORS—See Motors, Starting

STEEL FILERS—See Filers, Steel (For Templates, Patterns, etc.)

STEEL, ALLOY—See Steel, Chrome; Steel, Chrome Nickel; Steel, Nickel; Steel, Manganese; also Steel, Vanadium

STEEL or IRON, Angle, Channel and Tee

AIM—See Acme Steel Co
Acme Steel Co 135th St & Perry Ave Chicago 27 Ill "AIM" (Slotted angle steel)
Atlantic Steel Co 16th & Mecaslin Sts Atlanta 1 Ga (Steel)
Hynes Steel Products Co 3760 Oakwood Ave Youngstown Ohio (Angle steel)
Inland Steel Co 30 W Monroe St Chicago 3 Ill
Jones & Laughlin Steel Corp 3 Gateway Center Pittsburgh 30 Pa (Steel)
Republic Steel Corp 1441 Republic Bldg Cleveland 1 Ohio
United States Steel Corp 525 Wm Penn Pl Pittsburgh 30 Pa

STEEL or IRON, Bar

Alten Foundry & Machine Works Inc 226 W Wheeling St Lancaster Ohio
Atlantic Steel Co 16th & Mecaslin Sts Atlanta 1 Ga (Steel)
Bethlehem Steel Co Bethlehem Pa
Boker & Co H 101 Duane St New York 7 N Y (Tool steel)
Caine Steel Co 5501 W Grand Ave Chicago 39 Ill
Crucible Steel Co of America Oliver Bldg Mellon Sq Pittsburgh 22 Pa
Great Lakes Steel Corp Ecorse Detroit 29 Mich
Inland Steel Co 38 S Dearborn St Chicago 3 Ill
Jones & Laughlin Steel Corp 3 Gateway Center Pittsburgh 30 Pa (Steel)
Kaiser Steel Corp 1924 Broadway Oakland 12 Calif
Republic Steel Corp 1441 Republic Bldg Cleveland 1 Ohio (Also stainless)
Tennessee Coal Iron Div U S Steel Corp P O Box 599 Fairfield Ala (Steel)
United States Steel Corp 525 Wm Penn Pl Pittsburgh 30 Pa (Steel)
Youngstown Sheet & Tube Co P O Box 900 Youngstown 1 Ohio (Hot rolled)

STEEL, Chrome

Bethlehem Steel Co Bethlehem Pa
Republic Steel Corp 1441 Republic Bldg Cleveland 1 Ohio
Timken Roller Bearing Co (Steel & Tube Div) 1835 Dueber Ave S W Canton 6 Ohio

STEEL, Chrome Nickel

Allegheny Ludlum Steel Corp 2020 Oliver Bldg Pittsburgh 22 Pa
Bethlehem Steel Co Bethlehem Pa
McInnes Steel Co 441 E Main St Corry Pa
Republic Steel Corp 1441 Republic Bldg Cleveland 1 Ohio
Timken Roller Bearing Co (Steel & Tube Div) 1835 Dueber Ave S W Canton 6 Ohio
United States Steel Corp 525 Wm Penn Place Pittsburgh 30 Pa

STEEL, Clad Metal

Allegheny Ludlum Steel Corp 2020 Oliver Bldg Pittsburgh 22 Pa
Ingersoll Steel Div Borg-Warner Corp P O Box 273 New Castle Ind (Sheet)
Superior Steel Div of Copperweld Steel Co Carnegie Pa (Strip)

STEEL, Cold Finished Bar

Amercut—See American Steel & Wire Div
American Steel & Wire Div U S Steel Corp Rockefeller Bldg Cleveland Ohio "Amercut"
Bliss & Laughlin Inc 281 E 155th St Harvey Ill
Copperweld Steel Co Aristoloy Steel Div 4025 Mahoning Ave Warren Ohio
Crucible Steel Co of America Oliver Bldg Mellon Sq Pittsburgh 22 Pa
Fatigue-Proof—See La Salle Steel Co
Jones & Laughlin Steel Corp 3 Gateway Center Pittsburgh 30 Pa
Jones & Laughlin Steel Corp Strip Steel Div Youngstown 1 Ohio
La Salle Steel Co 1410 150th St Hammond Ind "Fatigue-Proof" "Stressproof"
Porter Co H K Vulcan-Kidd Steel Div Aliquippa Pa
Republic Steel Corp 1441 Republic Bldg Cleveland 1 Ohio
Ryerson & Son Inc Joseph T 16th & Rockwell Sts Chicago Ill
Stressproof—See La Salle Steele Co
Superior Drawn Steel Co Monaca Pa
Timken Roller Bearing Co (Steel & Tube Div) 1835 Dueber Ave S W Canton 6 Ohio
Youngstown Sheet & Tube Co P O Box 900 Youngstown 1 Ohio

STEEL, Cold Rolled and Drawn Bar

Aristoloy—See Copperweld Steel Co
Bethlehem Steel Co Bethlehem Pa
Bliss & Laughlin Inc 281 E 155th St Harvey Ill (Cold drawn bar)
Copperweld Steel Co Aristoloy Steel Div 4025 Mahoning Ave Warren Ohio "Aristoloy" "Ledloy" (Carbon and alloy)
Eaton Mfg Co Reliance Div 25 Charles Ave S E Massillon Ohio
Fitzsimons Steel Co 1623 Wilson Ave Youngstown 1 Ohio (Cold drawn bar)
Hamden Steel & Aluminum Co State & Edmund Sts New Haven Conn (Cold rolled)
La Salle Steel Co 1410 150th St Hammond Ind "Stressproof"
Ledloy—See Copperweld Steel Co
Porter Co H K Vulcan-Kidd Steel Div Aliquippa Pa
Precision Steel Warehouse Inc 3500 N Wolf Rd Franklin Park Ill (Shim)
Republic Steel Corp 1441 Republic Bldg Cleveland 1 Ohio
Ryerson & Son Inc Joseph T 16th & Rockwell Sts Chicago Ill
Stressproof—See La Salle Steel Co
Western Automatic Machine Screw Co 377 Woodland Ave Elyria Ohio

STEEL, Cold Rolled Strip

Acme Steel Co 135th St & Perry Ave Chicago 27 Ill
Alan Wood Steel Co Conshohocken Pa
American Steel and Wire Div United States Steel Corp Rockefeller Bldg Cleveland 13 Ohio "Amerstrip"
Armco Steel Corp 703 Curtis St Middletown Ohio
Barnes Steel Div Wallace Associated Spring Corp Bristol Conn
Bethlehem Steel Co Bethlehem Pa
Blair Strip Steel Co 1209 Butler Ave New Castle Pa
Caine Steel Co 5501 W Grand Ave Chicago 39 Ill
Cold Metal Products Co 1200 City Bank Bldg Youngstown 1 Ohio
Detroit Steel Corp P O Box 4308 Detroit 9 Mich
Great Lakes Steel Corp Tecumseh Rd Ecorse Detroit 29 Mich (Carbon)
Hynes Steel Products Co 3760 Oakwood Ave Youngstown, Ohio.
Inland Steel Co 30 W Monroe St Chicago 3 Ill
Jones & Laughlin Steel Corp Stainless & Steel Strip Div 21400 Mound Rd (Box 4606) Warren Mich
Kaiser Steel Corp 1924 Broadway Oakland 12 Calif
McLouth Steel Corp 300 S Livernois St Detroit 17 Mich
Philadelphia Steel & Wire Corp Penn St & Belfield Ave Philadelphia 44 Pa
Pittsburgh Steel Co 1600 Grant Bldg Pittsburgh 30 Pa
Precision—See Cold Metal Products Co

Republic Steel Corp 1441 Republic Bldg Cleveland 1 Ohio (Also stainless)
Sharon Steel Corp Sharon Pa
Stanley Works (Pressed Metal Div), 195 Lake St New Britain Conn
Thomas Strip Div Pittsburgh Steel Co Delaware Ave Warren Ohio (Electrolytically coated also uncoated)
Uniloy—See Universal-Cyclops Steel Corp
Universal-Cyclops Steel Corp Station St Bridgeville Pa "Uniloy" (Stainless)
Weirton Steel Co Div of National Steel Corp Weirton W Va
Youngstown Sheet & Tube Co P O Box 900 Youngstown 1 Ohio

STEEL, For Cold Extrusion

Copperweld Steel Co Aristoloy Steel Div Mahoning Ave Ext Warren Ohio

STEEL EXTRUSIONS—See Extrusions Steel

STEEL, Glass Protected

Smith Corp A O 27th & Hopkins Sts Milwaukee 1 Wis

STEEL, Ground Flat Stock

American Saw & Mfg Co 67 Boylston St Springfield 1 Mass
Brown & Sharpe Mfg Co 235 Promenade St Providence 1 R I
Capewell Mfg Co 60 Governor St Hartford 2 Conn
Darwin & Milner Inc 2345 St Clair Ave Cleveland 14 Ohio
Heller Tool Co Heller Dr Newcomerstown Ohio "Nucut"
Jessop Steel Co Green St Washington Pa
Milford—See Henry G Thompson & Son Co
Nicholson File Co Providence 1 R I
Nucut—See Heller Tool Co
Porter Co H K Vulcan-Kidd Steel Div Aliquippa Pa
Precision Steel Warehouse Inc 3500 N Wolf Rd Franklin Park Ill
Simonds Saw & Steel Co 470 Main St Fitchburg Mass
Starret Co L S 1-165 Crescent St Athol Mass
Thompson & Son Co Henry G 277 Chapel St New Haven 5 Conn "Milford"
Timken Roller Bearing Co (Steel & Tube Div) 1835 Dueber Ave S W Canton 6 Ohio

STEEL, High-Speed

Allegheny Ludlum Steel Corp 2020 Oliver Bldg Pittsburgh 22 Pa
Athenia Steel Div of National-Standard Co Clifton Ave Clifton N J
Bethlehem Steel Co Bethlehem Pa
Boker & Co H 101 Duane St New York 7 N Y
Braeburn Alloy Steel Corp Braeburn Pa
Carpenter Steel Co 101 W Bern St Reading Pa
Columbia Tool Steel Co Lincoln Highway & State St Chicago Heights Ill
Crucible Steel Co of America Oliver Bldg Mellon Sq Pittsburgh 22 Pa
Darwin & Milner Inc 2345 St Clair Ave Cleveland 14 Ohio
Firth-Sterling Inc 3113 Forbes Ave Pittsburgh 30 Pa
Ingersoll Steel Div Borg-Warner Corp P O Box 273 New Castle Ind
Jessop Steel Co Green St Washington Pa
Latrobe Steel Co 2626 Ligonier St Latrobe Pa
Motung—See Universal-Cyclops Steel Corp
Pittsburgh Tool Steel Wire Co Monaca Pa
Porter Co H K Vulcan-Kidd Steel Div Aliquippa Pa
Republic Steel Corp 1441 Republic Bldg Cleveland 1 Ohio
Unicut—See Universal-Cyclops Steel Corp
United States Steel Corp 525 Wm Penn Pl Pittsburgh 30 Pa "USS Man Ten" "USS Tri Ten"
Universal-Cyclops Steel Corp Station St Bridgeville Pa "Motung" "Unicut"
Vanadium-Alloys Steel Co Latrobe Pa

STEEL, High Strength

Alan Wood Steel Co Conshohocken Pa
Amballoy—See A M Byers Co
Byers Co A M PO Box 1076 Pittsburgh Pa "Amballoy"
GLX-W—See Great Lakes Steel Corp
Great Lakes Steel Corp Tecumseh Rd Ecorse Detroit 29 Mich "N-A-Xtra" (Alloy "GLX-W" columbium)
N-A-Xtra—See Great Lakes Steel Co
Universal Cyclops Steel Corp Station St Bridgeville Pa "Unimach"

STEEL, High Temperature

Universal-Cyclops Steel Corp Station St Bridgeville Pa "Unitemp"

STEEL, Hot Finished Bar

Crucible Steel Co of America Oliver Bldg Mellon Sq Pittsburgh 22 Pa
Timken Roller Bearing Co (Steel & Tube Div) 1835 Dueber Ave S W Canton 6 Ohio

STEEL, Hot Rolled Strip

Acme Steel Co 135th St & Perry Ave Chicago 27 Ill
Alan Wood Steel Co Conshohocken, Pa "AW"
Armco Steel Corp 703 Curtis St Middletown Ohio
Atlantic Steel Co 16th & Mecaslin Sts Atlanta 1 Ga
Bethlehem Steel Co Bethlehem Pa
Caine Steel Co 5501 W Grand Ave Chicago 39 Ill
Detroit Steel Corp PO Box 4308 Detroit Mich
Great Lakes Steel Corp Tecumseh Rd Ecorse Detroit 29 Mich (Carbon)
Hynes Steel Products Co 3760 Oakwood Ave Youngstown Ohio
Inland Steel Co 30 W Monroe St Chicago 3 Ill
Jones & Laughlin Steel Corp 3 Gateway Center Pittsburgh 30 Pa
Kaiser Steel Corp 1924 Broadway Oakland 12 Calif
McLouth Steel Corp 300 S Livernois Ave Detroit 17 Mich
Pittsburgh Steel Co 1600 Grant Bldg Pittsburgh 30 Pa
Republic Steel Corp 1441 Republic Bldg Cleveland 1 Ohio (Also stainless)
Sharon Steel Corp Sharon Pa
Stanley Works (Pressed Metal Div) 195 Lake St New Britain Conn
United States Steel Corp 525 Wm Penn Pl Pittsburgh 30 Pa
Weirton Steel Co Div of National Steel Corp Weirton W Va
Youngstown Sheet & Tube Co P O Box 900 Youngstown 1 Ohio

STEEL, Manganese

Bethlehem Steel Co Bethlehem Pa
Republic Steel Corp 1441 Republic Bldg Cleveland 1 Ohio
United States Steel Corp 525 Wm Penn Pl Pittsburgh 30 Pa

STEEL, Nickel

Apollo Metal Works Inc Clearing Station Chicago 38 Ill (Nickel plated, in sheets and coils)
Bethlehem Steel Co Bethlehem Pa
Carpenter Steel Co 101 W Bern St Reading Pa
McInnes Steel Co 441 E Main St Corry Pa
Republic Steel Corp 1441 Republic Bldg Cleveland 1 Ohio
Timken Roller Bearing Co (Steel & Tube Div) 1835 Dueber Ave S W Canton 6 Ohio
United States Steel Corp 525 Wm Penn Pl Pittsburgh 30 Pa

STEEL, Screw Stock

Bliss & Laughlin 281 E 155th St Harvey Ill (Cold finished)
La Salle Steel Co 1410 150th St Hammond Ind
Republic Steel Corp 1441 Republic Bldg Cleveland 1 Ohio
Ryerson & Son Inc Joseph T 16th & Rockwell Sts Chicago Ill
Western Automatic Machine Screw Co 377 Woodland Ave Elyria Ohio

STEEL, Sheet

Acme-Newport Steel Co Ninth & Lowell Sts Newport Ky
Alan Wood Steel Co Conshohocken Pa "AW" (Hot and cold rolled)
American Nickeloid Co Peru 34 Ill (Nickel, chrome copper and brass plated)
Apollo Metal Works Inc Clearing Station Chicago 38 Ill (Chromium nickel copper or brass plated)
Armco Steel Corp 703 Curtis St Middletown Ohio (Hot and cold zinc-coated and aluminized)
Bethlehem Steel Co Bethlehem Pa "Beth Cu Loy"
Caine Steel Co 5501 W Grand Ave Chicago 39 Ill
Coatesville Plate Washer Co 1644 Widener Bldg Philadelphia 7 Pa
Copperweld Steel Co Aristoloy Steel Div 4025 Mahoning Ave Warren Ohio
Crucible Steel Co of America Oliver Bldg Mellon Sq Pittsburgh 22 Pa
Detroit Steel Corp Box 4308 Detroit 9 Mich (Hot and cold rolled)
Eastern Stainless Steel Corp P O Box 1975 Baltimore Md (Stainless)
Great Lakes Steel Corp Tecumseh Rd Ecorse Detroit 29 Mich (Low carbon high tensile; cold and hot rolled carbon)
Hamden Steel & Aluminum Co State & Edmund Sts New Haven Conn (Cold rolled)
Hynes Steel Products Co 3760 Oakwood Ave Youngstown Ohio
Ingersoll Steel Div Borg-Warner Corp P O Box 273 New Castle Ind (Carbon alloy and stainless)
Inland Steel Co 30 W Monroe St Chicago 3 Ill (Hot and cold rolled; enameled and galvanized)
Jones & Laughlin Steel Corp 3 Gateway Center Pittsburgh 30 Pa
Kaiser Steel Corp 1924 Broadway Oakland 12 Calif (Hot and cold rolled)
McLouth Steel Corp 300 S Livernois Ave Detroit 17 Mich
Pittsburgh Steel Co 1600 Grant Bldg Pittsburgh 30 Pa
Republic Steel Corp 1441 Republic Bldg Cleveland 1 Ohio (Also stainless; also electro-galvanized)
Ryerson & Son Inc Joseph T 16th & Rockwell Sts Chicago Ill
Sharon Steel Corp Sharon Pa
Superior Sheet Steel Co Canton Ohio
Superior Steel Corp 3112 Grant Bldg Pittsburgh 19 Pa (Copper, monel or nickel coated)
Tennessee Coal & Iron Div United States Steel Corp P O Box 599 Fairfield Ala
United States Steel Corp 525 Wm Penn Pl Pittsburgh 30 Pa "USS Corten" (Stainless)
Washington Steel Corp Griffith & Woodland Aves Washington Pa (Stainless)
Weirton Steel Co Div of National Steel Corp Weirton W Va (Hot and cold rolled zinc coated; galvanized)
Wheeling Steel Corp Wheeling Steel Bldg Wheeling W Va
Youngstown Sheet & Tube Co P O Box 900 Youngstown 1 Ohio (Hot and cold rolled)

STEEL, Spring

American Steel & Wire Div United States Steel Corp Rockefeller Bldg Cleveland 13 Ohio
Athenia Steel Div of National-Standard Co Clifton Ave Clifton N J (Flat high carbon)
Barnes Co Wallace Div of Associated Spring Corp 18 Main St Bristol Conn
Bethlehem Steel Co Bethlehem Pa
Blair Strip Steel Co 1209 Butler Ave New Castle Pa
Burton Auto Spring Corp Western Ave at 48th St Chicago 32 Ill
Crucible Steel Co of America 535 Smithfield St Pittsburgh Pa
Detroit Steel Corp Box 4308 Detroit 9 Mich (Flat cold rolled)
Great Lakes Steel Corp Tecumseh Rd Ecorse Detroit 29 Mich
Jessop Steel Co Green St Washington Pa (Sheet)
Jones & Laughlin Steel Corp Stainless & Strip Steel Div 21400 Mound Rd Box 4606 Warren Mich (Stainless)
Precision Steel Warehouse Inc 3500 N Wolf Rd Franklin Park Ill
Roebling's Sons Corp John A 640 S Broad St., Trenton, N. J
Sharon Steel Corp Sharon Pa
Superior Steel Div of Copperweld Steel Co Carnegie Pa (Strip)
United States Steel Corp 525 Wm Penn Place Pittsburgh 30 Pa

STEEL, Stainless

Allegheny Ludlum Steel Corp 2020 Oliver Bldg Pittsburgh 22 Pa
Almet—See H K Porter Co
Amballoy—See A M Byers Co
American Steel & Wire Div U S Steel Corp Rockefeller Bldg Cleveland 13 Ohio (Wire rod and strip)
Aristoloy—See Copperweld Steel Co
Armco Steel Corp., 703 Curtis St., Middletown, Conn. (Sheet, strip, plate, bar and wire.)
Athenia Steel Div of National-Standard Co Clifton Ave Clifton N J (Cold rolled)
Byers Co A M PO Box 1076 Pittsburgh 22 Pa "Amballoy"
Cannon-Muskegon Corp 2875 Lincoln St Muskegon Mich
Carpenter Steel Co 101 W Bern St Reading Pa
Copperweld Steel Co Aristoloy Steel Div 4025 Mahoning Ave Warren Ohio "Aristoloy" (Blooms billets and slabs)
Crucible Steel Co of America Oliver Bldg Mellon Sq Pittsburgh 22 Pa
Eastern Stainless Steel Corp PO Box 1975 Baltimore 3 Md

STEEL, Stainless—continued

Firestone Steel Products Co 1600 Firestone Parkway Akron 1 Ohio
Firth-Sterling Inc 3113 Forbes Ave Pittsburgh 30 Pa "Sterling" (Bar, rod and wire)
Hamden Steel & Aluminum Co State & Edmund Sts New Haven Conn (Bars, sheets and coils)
Hammond & Irving Inc 254 North St Auburn N Y
Ingersoll Steel Div Borg-Warner Corp PO Box 273 New Castle Ind
Jessop Steel Co Green St Washington Pa
Jones & Laughlin Steel Corp Stainless & Strip Steel Div 21400 Mound St (Box 4606) Warren Mich (Sheet strip bar and wire)
Latrobe Steel Co 2626 Ligonier St Latrobe Pa
McInnes Steel Co 441 E Main St Corry Pa
McLouth Steel Corp 300 S Livernois Ave Detroit 17 Mich (Strip and sheet)
Porter Co H K Riverside-Alloy Metal Div Pavilion Ave Riverside N J "Almet" (Wire rod and strip)
Precision Steel Warehouse Inc 3500 N Wolf Rd Franklin Park Ill (Shim and strip)
Republic Steel Corp 1441 Republic Bldg Cleveland 1 Ohio
Ryerson & Son Inc Joseph T 16th & Rockwell Sts Chicago Ill
Seymour Mfg Co 15 Franklin St Seymour Conn (Strip)
Sharon Steel Corp Sharon Pa
Sterling—See Firth-Sterling Inc
Superior Steel Div of Copperweld Steel Co Carnegie Pa (Strip)
Tennessee Coal & Iron Div United States Steel Corp P O Box 599 Fairfield Ala
Thomas Strip Div Pittsburgh Steel Co Delaware Ave Warren Ohio
Timken Roller Bearing Co (Steel & Tube Div) 1835 Dueber Ave S W Canton 6 Ohio
Uniloy—See Universal-Cyclops Steel Corp
United States Steel Corp 525 Wm Penn Place Pittsburgh 30 Pa "USS"
Universal-Cyclops Steel Corp Station St Bridgeville Pa "Uniloy"
Wallingford Steel Co Valley St Wallingford Conn (Cold rolled strip)
Washington Steel Corp Griffith & Woodland Aves Washington Pa

STEEL, Tool

Allegheny Ludlum Steel Corp 2020 Oliver Bldg Pittsburgh 22 Pa (Alloy)
Bethlehem Steel Co., Bethlehem, Pa
Boker & Co H 101 Duane St New York 7 N Y (Oil hardening)
Braeburn Alloy Steel Corp., Braeburn, Pa (Carbon and alloy)
Cannon-Muskegon Corp 2875 Lincoln St Muskegon Mich (Nickel and cobalt)
Capewell Mfg Co 60 Governor St Hartford 2 Conn
Carpenter Steel Co 101 W Bern St Reading Pa
Columbia Tool Steel Co Lincoln Highway & State St Chicago Heights Ill (Alloy; carbon)
Copperweld Steel Co Aristoloy Steel Div 4025 Mahoning Ave Warren Ohio
Crucible Steel Co of America Oliver Bldg Mellon Sq Pittsburgh 22 Pa
Darwin & Milner Inc 2345 St Clair Ave Cleveland 14 Ohio
Do All Co 254 N Laurel Ave Des Plaines Ill
Firth-Sterling Inc 3113 Forbes Ave Pittsburgh 30 Pa
Hammond & Irving Inc 254 North St Auburn N Y
Heppenstall Co 4620 Hatfield St Pittsburgh 1 Pa
Ingersoll Steel Div Borg-Warner Corp PO Box 273 New Castle Ind
Jessop Steel Co Green St Washington Pa
Latrobe Steel Co 2626 Ligonier St Latrobe Pa (Carbon and alloy)
Lo-Air—See Universal-Cyclops Steel Corp
Porter Co H K Vulcan-Kidd Steel Div Aliquippa Pa
Republic Steel Corp 1441 Republic Bldg Cleveland 1 Ohio (Alloy and carbon)
Sharon Steel Corp Sharon Pa
Sparta—See Universal-Cyclops Steel Corp
Thermold—See Universal-Cyclops Steel Corp
Timken Roller Bearing Co (Steel & Tube Div) 1835 Dueber Ave S W Canton 6 Ohio
Ultradie—See Universal-Cyclops Steel Corp
Universal-Cyclops Steel Corp Station St Bridgeville Pa "Lo-Air" "Thermold" "Ultradie" "Wando" "Sparta"
Vanadium-Alloys Steel Co Latrobe Pa (Carbon, carbon-vanadium and chrome-vanadium
Wando—See Universal-Cyclops Steel Corp

STEEL, Vanadium

Bethlehem Steel Co Bethlehem Pa
Carpenter Steel Co 101 W Bern St Reading Pa
McInnes Steel Co 441 E Main St Corry Pa
Porter Co H K Vulcan-Kidd Steel Div Aliquippa Pa
Republic Steel Corp 1441 Republic Bldg Cleveland 1 Ohio
Timken Roller Bearing Co (Steel & Tube Div) 1835 Dueber Ave S W Canton 6 Ohio

STEERING APPARATUS — See Connections, Steering; Gears, Steering; Parts, Steering Gear; Pins, King; also Wheels, Steering

STEP HANGERS—See Hangers, Step (Pressed Steel)

STEP PLATES—See Plates, Step

STIFFENERS, DOOR PANEL FOUNDATION —See Binders, Panel (Steel or Composite)

STILLS, Solvent Recovering

Circo Equipment Co 120 Central Ave Clark (Rahway) N J
Detrex Chemical Industries Inc Box 501 Detroit 32 Mich
Hoffman—See United States Hoffman Machinery Corp
United States Hoffman Machinery Corp Industrial Filtration Div 103 Fourth Ave N Y 3 N Y "Hoffman"

STOCKS, Die

Oster Mfg Co E 289th St Wickliffe Ohio
Pratt & Whitney Co Charter Oak Blvd West Hartford 1 Conn
Reed Mfg Co Box 1321 Erie Pa (Pipe)
Rimac—See Rinck-McIlwaine Inc
Rinck-McIlwaine Inc 16 Hudson St N Y 13 N Y "Rimac"
Toledo Pipe Threading Machine Co 1445 Summit Ave Toledo 4 Ohio (Bolt)

STONES, Rubbing

Bay State Abrasive Products Co 12 Union St Westboro Mass
Borolon—See Simonds Abrasive Co
Electrolon—See Simonds Abrasive Co
Simonds Abrasive Co Tacony & Fraley Sts Philadelphia 37 Pa "Borolon" "Electrolon"

STONES, Sharpening

Arkansas—See Behr-Manning Co
Bay State Abrasive Products Co 12 Union St Westboro Mass
Behr-Manning Co 1960 Howe St Troy N Y "Arkansas" "Crystolon" "India" "Washita"
Borolon—See Simonds Abrasive Co
Carborundum Co Buffalo Ave Niagara Falls N Y
Crystolon—See Behr-Manning Co
Electrolon—See Simonds Abrasive Co
India—See Behr-Manning Co
Macklin Co Jackson Mich
Simonds Abrasive Co Tacony & Fraley Sts Philadelphia 37 Pa "Borolon" "Electrolon"
Washita—See Behr-Manning Co
Wissota Mfg Co 1301 S 3rd St Minneapolis Minn

STOP LAMPS—See Signals, Direction Indicating (Auto)

STOP LIGHT SWITCHES—See Switches, Stop Light

STRAIGHTENERS, Coil Stock (For Presses)

Sesco Inc 8881 Central Ave Detroit 4 Mich
Ses-Matic—See Special Engrg Service Inc
Special Engrg Service Inc 760 Wyoming Ave Dearborn Mich "Ses-Matic"
U S Tool Co 255 N 18th St Ampere (East Orange) N J

STRAIGHTENING PRESSES—See Presses, Straightening

STRAIN GAGES, METAL—See Instruments, Metal Testing

STRAINER SCREENS—See Cloth, Wire

STRAINERS, AIR—See Cleaners, Air

STRAINERS, Gasoline

(Metal strainers only; for filter assemblies to use between fuel tank and carburetor—See Filters, Gasoline (Auto))

AC Spark Plug The Electronics Div of General Motors 1300 N Dort Highway Flint 2 Mich
Amplex Div Chrysler Corp PO Box 2718 Detroit 31 Mich "Oilite"
Anderson Brass Co 100 S Campbell Ave Detroit 9 Mich
Audubon Wire Cloth Corp., Richmond & Castor Ave., Philadelphia 34, Pa.
Buckeye Iron & Brass Works 324 E Third St Dayton 1 Ohio
Cleveland Wire Cloth & Mfg. Co., 3573 E 78th St., Cleveland 5, Ohio
Cuno Engineering Corp 80 S Vine St Meriden Conn **"Cuno Auto-Klean"**
Darby & Son Inc Edw J 1517 Germantown Ave Philadelphia 22 Pa
Imperial Brass Mfg Co 6300 W Howard St Chicago 31 Ill
Lunkenheimer Co Beekman St & Waverly Ave Cincinnati 14 Ohio "Trusty"
Michigan Wire Cloth Co 2100 Howard St Detroit 16 Mich
Newark Wire Cloth Co., 351 Verona Ave. Newark 4, N J
Oilite—See Amplex Dix Chrysler Corp
Purolator Products Inc Wayne Div Wayne Mich
Roylyn Inc 620 Paula Ave Glendale 1 Calif (Sole distributors Airaterra 620 Paula Ave Glendale 1 Calif)
Trusty—See Lunkenheimer Co

STRAINERS, Gasoline or Oil (Industrial)

Johnson Mfg Co 2825 E Hennepin Ave Minneapolis Minn
Michigan Wire Cloth Co 2100 Howard St Detroit 16 Mich
Purolator Products Inc Wayne Div Wayne Mich
Roylyn Inc 620 Paula Ave Glendale 1 Calif (Sole distributors Airaterra 620 Paula Ave Glendale 1 Calif)

STRAINERS, Oil

(For use in oil pumps to remove dirt and water; see also Filters, Oil [For Attaching to Engine])

Anderson Brass Co 100 S Campbell Ave Detroit 9 Mich
Audubon Wire Cloth Corp Richmond St & Castor Ave Philadelphia 34 Pa
Cleveland Wire Cloth & Mfg Co 3573 E 78th St Cleveland 5 Ohio
Michigan Wire Cloth Co 2100 Howard St Detroit 16 Mich
Newark Wire Cloth Co 351 Verona Ave Newark 4 N J
Purolator Products Inc Wayne Div Wayne Mich
Roylyn Inc 620 Paula Ave Glendale 1 Calif (Sole distributors Airaterra 620 Paula Ave Glendale 1 Calif)

STRAPS, Rebound

(See also Shock Absorbers, Friction, Hydraulic and Pneumatic)

Black Diamond—See Uniform Hood Lace Co
Graton & Knight Co., 356 Franklin St., Worcester 4, Mass.
Stevens Co., A. T., 118 E. 28th St., New York 16, N. Y.
Uniform Hood Lace Co 633 E St Clair St Indianapolis 2 Ind "Black Diamond"

STRIP STEEL—See Steel, Cold Rolled Strip; Steel, Hot Rolled Strip

STRIPS, Sill

(For setting door and window glass)

Sealtite—See Union Welt Corp
Standard Products Co 2130 W 110th St Cleveland 2 Ohio
Union Welt Corp 1316 S Pulaski Rd Chicago 23 Ill "Sealtite"

STRIPS, SPONGE RUBBER—See Rubber, Sponge

STRIPS, Weather (Windshield, Window, Etc.)

Afco—See American Felt Co
American Felt Co Glenville Conn "Afco" (Felt)
Atlantic India Rubber Works Inc 571 W Polk St Chicago 7 Ill
Automotive Products Div Crotty Corp 39 E Chicago Ave Quincy Mich "YankeeSeel"
Au-ve-Co—See Auto Vehicle Parts Co
Auto Vehicle Parts Co 1032 Saratoga St Newport 6 Ky "Au-ve-Co"
Bridgeport Fabrics Inc 165 Holland Ave Bridgeport 9 Conn "Inner Seal" (Door)

Brockton Stay Co., 24 Essex St., Haverhill, Mass.
Buckeye Rubber Products Inc 637 N Jackson St Lima Ohio
Carter Co., George R., 630 Lycaste Ave., Detroit, Mich.
Champ-Items Inc 6191 Maple Ave St Louis 14 Mo
Chardon Rubber Co Sixth & Washington Ave Chardon Ohio
Continental Rubber Works 1946 Liberty St Erie Pa "Vitalic"
Detroit Gasket & Mfg. Co., 12640 Burt Rd., Detroit 23, Mich.
Durkee-Atwood Co 215 Seventh St N E Minneapolis 13 Minn (Windshield window door and trunk)
Dutch Brand — See Johns-Manville Dutch Brand Div
General Tire & Rubber Co., Englewood & Holmes Ave., Akron, Ohio
Globe Rubber Products Corp 3333 N Lawrence St Philadelphia 40 Pa (Trunk and door)
Goodrich Industrial Products Co B F 500 S Main St Akron 18 Ohio
Goodrich Sponge Products Div B F Howe Ave Shelton Conn "Spongex"
Hope Webbing Co., Providence, R. I.
Industrial Rubber Goods Co., St. Joseph, Mich.
Inland Mfg. Div., General Motors Corp., 2727 Inland Ave., Dayton 1, Ohio.
Inner Seal—See Bridgeport Fabrics, Inc.
Johns-Manville Dutch Brand Div 7800 Woodlawn Ave Chicago 16 Ill "Dutch Brand"
Johnson Rubber Co Middlefield Ohio
Kar-Seal—See Kastar Inc.
Kastar, Inc., 200 Lincoln Ave., New York 54, N. Y. "Kar-Seal," "Stix On."
Lange Machine Works Henry G 158 N May St Chicago 7 Ill
Lightnin—See R J Loock & Co
Loock & Co R J 343 N Gay St Baltimore Md "Lightnin"
Ohio Rubber Co 300 Ben Hur Ave Willoughby Ohio "Orco"
Orco—See Ohio Rubber Co
Roberts Toledo Rubber Co 4143 Monroe St Toledo 13 Ohio
Schlegel Mfg Co 1555 Jefferson Rd Rochester 23 N Y
Sealtite—See Union Welt Corp
Spongex—See B F Goodrich Sponge Products Div
Standard Products Co., 2130 W. 110th St. Cleveland 2, Ohio.
Stix On—See Kastar, Inc.
Union Welt Corp 1316 S Pulaski Rd Chicago 23 Ill "Sealtite"
United States Rubber Co., Rockefeller Center, 1230 Ave. of the Americas, New York 20, N. Y.
Vitalic—See Continental Rubber Works.
Western Felt Works 4021 W Ogden Ave Chicago 23 Ill
YankeeSeel—See Automotive Products Div Crotty Corp

STUD BOLT EXTRACTORS—See Extractors, Bolt and Screw

STUD DRIVERS—See Setters, Stud, Nut, Bolt and Lag Screw

STUD WELDING EQUIPMENT—See Welders & Equipment, Stud

STUDS

Allmetal Screw Products Co 821 Stewart Ave Garden City N Y
American-Monarch Corp 5900 Park Ave Cleveland 5 Ohio (Cylinder head)
Anti-Corrosive Metal Products Co Castleton-on-Hudson N Y
Atlas Bolt & Screw Co 1130 Ivanhoe Rd Cleveland 10 Ohio
Brown Corp., 213 Bellevue Ave., Syracuse, N. Y.
Central Screw Co., 3501 S. Shields Ave., Chicago 9, Ill. Also "Schweppe" self-tapping and self-locking [Licensees]
Champ-Items Inc 6191 Maple Ave St Louis Mo
Chicago Screw Co Div of Standard Screw Co 2701 Washington Blvd Bellwood Ill "Stanscrew"
Clark Bros Bolt Co Canal St Milldale 1 Conn
Cleveland Cap Screw Co 4444 Lee Rd Cleveland 28 Ohio (Ball; milled)
Driv-Lok Pin Co Park Ave & Chauncey St Sycamore Ill (Grooved; sole distributors Driv-Lok Sales Corp 777 Park Ave Sycamore Ill)
Ferry Bros 3474 Theurer Ct Cleveland 9 Ohio
Ferry Cap & Set Screw Co., 2151 Scranton Rd., Cleveland 13, Ohio. "Shinylands."
Ferry Screw Products Inc E W 5240 Smith Rd Cleveland 30 Ohio
Groov-Pin Corp 1125 Hendricks Causeway Ridgefield N J
Hartford Machine Screw Co PO Box 1440 Hartford Conn "Stanscrew"
Haydon Bolts Inc Adams Ave & Unity St Philadelphia 24 Pa
Hill Nut Co., 2620 W. Flournoy St., Chicago 12, Ill.
Lamson & Sessions Co 5000 Tiedeman Rd Cleveland 9 Ohio
Lok-Thred—See National Screw & Mfg Co
Lundberg Screw Products Co., P. O. Box 1318, Lansing 4, Mich.
Mac It Parts Co., Shippen & Liberty Sts., Lancaster, Pa.
National Screw & Mfg Co 2440 E 75th St Cleveland 4 Ohio "Lok-Thred"
Newton Insert Co 6500 Avalon Blvd Los Angeles 3 Calif
Ottemiller Co., Wm. H., Pattison St. & M. & P. R. R., York, Pa
P-M—See Waterbury Pressed Metal Co
Pheoll Mfg Co 5700 W Roosevelt Rd Chicago 50 Ill "Pheoll Schweppe" (Licensors)
Prior Products, Inc., 4828 Racell St., Dallas, Tex
Republic Steel Corp 1441 Republic Bldg Cleveland 1 Ohio
Rhode Island Tool Co., 148 W. River St., Providence 1, R. I.
Rockford Screw Products Co., 2501 Ninth St., Rockford, Ill.
Rosan Inc 2901 W Coast Highway Newport Beach Calif (Screw thread)
St Louis Screw & Bolt Co 6900 N Broadway St Louis 15 Mo
Schweppe—See Central Screw Co
Shinylands—See Ferry Cap & Set Screw Co
Standard Pressed Steel Corp P O Box 395 Jenkintown Pa
Stanscrew—See Chicago Screw Co Div; also Hartford Machine Screw Co; also Western Automatic Machine Screw Co
Sterling Bolt Co 363 W Erie St Chicago 10 Ill
Townsend Co Engineered Fasteners Div PO Box 70 Ellwood City Pa
Transit Parts Co 35700 Vine St Willoughby Co (Wheel and rim for buses, trucks and trailers)
Voi-Shan Mfg Co 8463 Higuera St Culver City Calif
Waterbury Pressed Metal Co 300 Chase Ave Waterbury Conn "P-M"
Western Automatic Machine Screw Co 377 Woodland Ave Elyria Ohio "Stanscrew"

STUDS, Welding

American-Monarch Corp 5900 Park Ave Cleveland 5 Ohio
Cleveland Cap Screw Co 4444 Lee Rd Cleveland 28 Ohio
K S M Products Inc Woodland Ave & Yale Rd Merchantville 8 N J
Nelson Stud Welding Div Gregory Industries Inc Toledo Ave & E 28th St Lorain Ohio

SUPERCHARGERS, Engine

Fageol Marine Engine Co 888 Gull St San Diego 1 Calif "Pepco"
M-D—See Miehle-Dexter Supercharger Div
McCulloch Motors Corp 6101 W Century Blvd Los Angeles 45 Calif (Sole distributors Paxton Products 827 W Olive St Inglewood Calif)
Miehle-Dexter Supercharger Div of Christensen Machine Co 100 4th St Racine Wis "M-D"
Pepco—See Fageol Marine Engine Co
Schwitzer Corp 1125 Massachusetts Ave Indianapolis 7 Ind (Roots type)
Thompson Products Valve Div Thompson-Ramo-Wooldridge Inc 1455 E 185th St Cleveland 10 Ohio

SUPERFINISHING MACHINES — See Machines, Superfinishing

SUPPLEMENTARY AXLES (TRUCK)—See Axles, Supplementary (Truck)

SUPPORTS, CAR—See Horses and Trestles

SUPPORTS, TRAILER—See Gears, Landing (Trailer)

SUPPRESSORS, MOTOR RADIO—See Radio Accessories (Auto)

SURGE TANKS—See Tanks, Surge (For Radiators)

SURFACE PLATES—See Plates, Surface and Base

SUSPENSION UNITS, AXLE (FOR TRAILERS)—See Axle Suspension Units, for Trailers

SUSPENSIONS, Air (Truck, Trailer and Bus)

Clark Equipment Co Automotive Div Buchanan 2 Mich (Trailer)
GMC Truck & Coach Div General Motors Corp 660 South Blvd E Pontiac 11 Mich (Truck)
Loadcraft—See Spencer-Safford Loadcraft Inc
Neway Equipment Co 1183 E Laketon St Muskegon Mich (Truck and bus)
Spencer-Safford Loadcraft Inc Augusta Kan "Loadcraft"
Trucktor Corp P O Box 120 Westfield N J
Yocar Airide—See Youngstown Steel Car Corp
Youngstown Steel Car Corp Hunter St Niles Ohio "Yocar Airide"

SUSPENSIONS, Tandem (Truck)

Rockwell-Standard Corp Transmission & Axle Div 100 Clark Ave Detroit 32 Mich

SWITCHBOARDS, CHARGING—See Panels and Switchboard, Battery Charging

SWITCH KEYS—See Keys, Switch and Starting

SWITCH LOCKS—See Locks, Ignition

SWITCHES, Air Filter Replacing

Fulton Sylphon Div Robertshaw-Fulton Controls Co W Cumberland St Knoxville 1 Tenn

SWITCHES, Direction Indicating Signal (Auto)

AMI—See Advanced Mfg Inc
Advanced Mfg Inc 738 W 17th St Costa Mesa Calif "AMI"
Arrow Safety Device Co., Mt. Holly, N. J.
Auto Lamp Mfg Co 2909 S Indiana Ave Chicago 9 Ill
Betts Machine Co 1800 Pennsylvania Ave W Warren Pa "Warren"
Carter Parts Co 3401 W Madison St Skokie Ill
Cole-Hersee Co., 20 Old Colony Ave., Boston 27, Mass.
Delco-Remy Div General Motors Corp 2401 Columbus Ave Anderson Ind
Dietz Co R E 225 Wilkinson St Syracuse 1 N Y
Douglas Mfg. Div., Kingston Products Co., Railroad St., Bronson, Mich.
Grote Mfg. Co., Lafayette & Grandview Aves., Bellevue, Ky.
K-D Lamp Co 1910 Elm St Cincinnati 10 Ohio
Miro-Flex Co 1824 E Second St Wichita 7 Kan
Mitchell Specialty Div Industrial Enterprises Inc Edmund & Shelmire Sts Philadelphia 36 Pa
Paragon Products Corp 140 Astor St Newark 5 N J "Vulcan" (Sole distributors Vulcan Motor Products Inc 1060 Broad St Newark 2 N J)
Pollak Corp., Joseph, 75 Freeport St., Boston 22, Mass.
Ring-Wald Products Inc 123 N Lowry Ave Springfield Ohio (For school buses)
Saginaw Steering Gear Div General Motors Corp 3900 Holland Rd Saginaw Mich
Sigflare—See Signal-Stat Corp
Signal-Stat Corp Signal-Stat Bldg 523 Kent Ave Brooklyn 11 N Y "Signal Stat"; "Sigflare" (Combination directional signal switch and emergency flashing switch for disability parking)
Sparton Automotive Div of Sparton Corp Jackson Mich (Self-cancelling)
Turnflex—See Yankee Metal Products Corp
Speaker Corp J W 3059 N Well St Milwaukee 12 Wis
Valley Forge Products Inc 370 19th St Brooklyn 15 N Y
Vulcan—See Paragon Products Corp
Warren—See Betts Machine Co
Wheel-O-Matic—See Yankee Metal Products Corp
Yankee Metal Products Corp 25 Grand St Norwalk Conn "Wheel-O-Matic" "Turnflex" "Self-cancelling)

SWITCHES, Engine Control (Machinery)

Detroit Controls Div American-Standard 5960 Trumbull Ave Detroit 8 Mich

SWITCHES, Floor or Foot (Auto)

(For signals, headlight dimming, etc.)

Auto-Lite—See Electric Auto-Lite Co
Blue Streak—See Standard Motor Products, Inc.
Carter Parts Co 3401 W Madison St Skokie Ill
Clum Mfg. Co., 601 W. National Ave., Milwaukee 4, Wis.
Cole-Hersee Co., 20 Old Colony Ave., Boston 27, Mass.
Delco-Remy Div General Motors Corp 2401 Columbus Ave Anderson Ind (Foot, dimming)
Echlin Mfg Co U S Route 1 Branford Conn (Dimming)
Electric Auto-Lite Co Toledo 1 Ohio "Auto-Lite"
F & B Mfg Co 4248 W Chicago Ave Chicago 51 Ill "Filko" (Headlight dimming)
Filko—See F. & B. Mfg. Co.
Freedco Products Inc 36-08 33rd St Long Island City 6 N Y
Gasco—See General Automotive Specialty Co
General Automotive Specialty Co 10-40 45th Ave Long Island City 1 N Y "Gasco" (Headlight dimming)
Guaranteed Parts Co Seneca Falls N Y (Headlight dimming)
Holley Carburetor Co 11955 E Nine Mile Rd Warren Mich (Headlight dimming)
Ideal Corp 435 Liberty Ave Brooklyn 7 N Y (Headlight dimming)
Illaco—See Illinois Accessories Co
Illinois Accessories Co 317 E Ontario St Chicago 11 Ill "Illaco" (Headlight dimming, foot)
K-D Lamp Co 1910 Elm St Cincinnati 10 Ohio
Kem Mfg Co 20 Wagaraw Rd Fair Lawn N J (Headlight dimming)
M D Parts Mfg Co 5247 Coffman-Pico Rd Pico Calif
Machined Parts Corp., 6209 Hamilton Ave., Detroit 2, Mich. "Mapco." (Headlight dimming.)
Mapco—See Machined Parts Corp.
National—See Wheel Parts & Mfg Co
National Ignition Mfg Co 521 W 23rd St New York 11 N Y "Nimco"
Niehoff & Co C E 4925 W Lawrence Ave Chicago 30 Ill (Headlight dimming)
Nimco—See National Ignition Mfg Co
Pollak Corp Joseph 75 Freeport St Boston 22 Mass
Preferred Electric & Wire Co., Bush Terminal Bldg. No. 8, Brooklyn 32, N. Y.
R-B-M Div., Essex Wire Corp., Chestnut & Hanna Sts., Logansport, Ind. (Headlight dimming, foot operated.)
Sorensen Mfg Co P 32-31 57th St Woodside 77 N Y
Standard Motor Products Inc 37-18 Northern Blvd., Long Island City, L. I., N. Y. "Blue Streak." (Headlight dimming.)
Switches Inc 317 E Ontario St Chicago 11 Ill (Headlight dimming)
Tasco Products Div of Guaranteed Parts Co Seneca Falls N Y
Valley Forge Products Inc 370 19th St Brooklyn 15 N Y
Wheel Parts & Mfg Co 352 Fourth Ave N Y 10 N Y "National"

SWITCHES, Heater

Ark-Les Switch Corp 51 Water St Watertown 72 Mass
C-H—See Cutler-Hammer Inc
Carter Parts Co 3401 W Madison St Skokie Ill
Clum Mfg. Co., 601 W. National Ave., Milwaukee 4, Wis.
Cole-Hersee Co., 20 Old Colony Ave., Boston 27, Mass.
Culver-Stearns Mfg Co 181 Greenwood St Worcester 7 Mass
Cutler-Hammer Inc 362 N 12th St Milwaukee 1 Wis "C-H"
Everhot Products Co 2001 W Carroll Ave Chicago 12 Ill
Gasco—See General Automotive Specialty Co.
General Automotive Specialty Co 10-40 45th Ave Long Island City 1 N Y "Gasco"
Guaranteed Parts Co., Seneca Falls, N. Y.
Ideal Corp 435 Liberty Ave Brooklyn 7 N Y
K-D Lamp Co 1910 Elm St Cincinnati 10 Ohio
Kem Mfg Co 20-21 Wagaraw Rd Fair Lawn N J
Niehoff & Co., C. E., 4925 W. Lawrence Ave., Chicago 30, Ill.
Paragon Products Corp 140 Astor St Newark 5 N J "Vulcan" (Sole distributors Vulcan Motor Products Inc 1060 Broad St Newark 2 N J)
Pollak Corp., Joseph, 75 Freeport St., Boston 22, Mass.
Preferred Electric & Wire Co., Bush Terminal Bldg. No. 8, Brooklyn 32, N. Y.
Standard Motor Products Inc 37-18 Northern Blvd., Long Island City, N. Y.
Tasco Products Div of Guaranteed Parts Co Seneca Falls N Y
Valley Forge Products Inc 370 19th St Brooklyn 15 N Y
Vulcan—See Paragon Products Corp

SWITCHES, Ignition

Andrew Parts Mfg Co 32-70 31st St Long Island City 6 N Y
Auto-Lite—See Electric Auto-Lite Co
Bendix—See Scintilla Div Bendix Aviation Corp
Briggs & Stratton Corp., 2711 N. 13th St., Milwaukee 1, Wis.
Carter Parts Co 3401 W Madison St Skokie Ill
Clum Mfg. Co., 601 W. National Ave., Milwaukee 4, Wis.
Cole-Hersee Co., 20 Old Colony Ave., Boston 27, Mass.
DSM Electric Co 6209 John Lodge Expressway Detroit 2 Mich
Delco-Remy Div General Motors Corp 2401 Columbus Ave Anderson Ind
Douglas Mfg. Div., Kingston Products Co., Railroad St., Bronson, Mich.
Electric Auto-Lite Co Toledo 1 Ohio "Auto-Lite"
F & B Mfg Co 4248 W Chicago Ave Chicago 51 Ill
Freedco Products Inc 36-08 33rd St Long Island City 6 N Y
Gasco—See General Automotive Specialty Co.
General Automotive Specialty Co 10-40 45th Ave Long Island City 1 N Y "Gasco"
Ideal Corp 435 Liberty Ave Brooklyn 7 N Y
Machined Parts Corp., 6209 Hamilton Ave., Detroit 2, Mich. "Mapco."
Mapco—See Machined Parts Corp.
Mitchell Specialty Div Industrial Enterprises Inc Edmund & Shelmire Sts Philadelphia 36 Pa
Montrose Div Bendix Aviation Corp South Montrose Pa
Motive Equipment Mfrs., Inc., 5253 W. Roosevelt Rd., Chicago 50, Ill. "Pilot." (For Ford, Chevrolet and Plymouth cars.)
Murphy Mfr Inc Frank W 3131 S Sheridan St Tulsa Okla (Magnetic)
National—See Wheel Parts & Mfg Co
Pilot—See Motive Equipment Mfrs Inc
Pollak Corp Joseph 75 Freeport St Boston 22 Mass
Preferred Electric & Wire Co Bush Terminal Bldg No 8 Brooklyn 32 N Y
R-B-M Div Essex Wire Corp Chestnut & Hanna Sts Logansport Ind
Scintilla Div Bendix Aviation Corp Sidney N Y "Bendix"
Sorensen Mfg Co P 32-31 57th St Woodside 77 N Y
Switches Inc 317 E Ontario St Chicago 11 Ill
Synchro-Start Products Inc 8151 N Ridgeway Ave Skokie Ill (Automatic)
Tasco Products Div of Guaranteed Parts Co Seneca Falls N Y
Valley Forge Products Inc 370 19th St Brooklyn 15 N Y
Wheel Parts & Mfg Co 352 Fourth Ave N Y 10 N Y "National"

SWITCHES, Ignition (Cut-Off)

(Cuts off ignition in case of collision, over turn of car or truck, or short circuit)

Almquist Engrg Co Milford Pa "Spark-O-Matic"
Cole-Hersee Co 20 Old Colony Ave Boston 27 Mass
Durakool Inc 1010 N Main St Elkhart Ind "Tipover"
Mak-Saf—See Rochester Mfg Co
Reynolds Electric Co 3000 River Rd River Grove Ill
Rochester Mfg Co 100 Rockwood St Rochester 10 N Y "Mak-Saf"
Spark-O-Matic—See Almquist Engrg Co
Synchro-Start Products Inc 8151 N Ridgeway Ave Skokie Ill
Tipover—See Durakool, Inc.

SWITCHES, Industrial Safety

Asco—See Automatic Switch Co
Automatic Switch Co Hanover Rd Florham Park N J "Asco"
Bulldog Electric Products Co., 7610 Jos. Campau Ave., Detroit 32, Mich. "Vacu-Break."
C-H—See Cutler-Hammer Inc
Colt's Patent Fire Arms Mfg. Co., 17 Van Dyke Ave., Hartford, Conn.
Cutler-Hammer Inc 362 N 12th St Milwaukee 1 Wis "C-H"
E C & M—See Electric Controller & Mfg Co.
Electric Controller & Mfg Co Div of Square D Co 4500 Lee Rd Cleveland 28 Ohio "E C & M"
G-E—See General Electric Co
General Electric Co Apparatus Sales Div 1 River Rd Schenectady 5 N Y "G-E"
Licon Switch & Control Div Illinois Tool Works 2501 N Keeler Ave Chicago 39 Ill
Square D Co., 6060 Rivard St., Detroit 11, Mich.
Synchro-Start Products Inc 8151 N Ridgeway Ave Skokie Ill
Vacu-Break—See Bulldog Electric Products Co.
Westinghouse Electric Corp Standard Control Div Beaver Pa

SWITCHES, Light

(For turning on and off lights on car)

Ark-Les Switch Corp 51 Water St Watertown 72 Mass
C-H—See Cutler Hammer Inc
Carter Parts Co 3401 W Madison St Skokie Ill
Clum Mfg. Co., 601 W. National Ave., Milwaukee 4, Wis.
Cole-Hersee Co., 20 Old Colony Ave., Boston 27, Mass.
Connecticut Telephone & Electric Corp 85 Britannia St Meriden Conn
Controls Corp of America Appliance & Automotive Controls Div 9555 Soreng Ave Schiller Park Ill
Culver-Stearns Mfg Co 181 Greenwood St Worcester 7 Mass
Cutler-Hammer Inc 362 N 12th St Milwaukee 1 Wis "C-H"
Delco-Remy Div General Motors Corp 2401 Columbus Ave Anderson Ind
Delta Electric Co., 33rd & Nebraska Sts., Marion, Ind. (For dome lights.)
Douglas Mfg. Div., Kingston Products Co., Railroad St., Bronson, Mich.
Electric Auto-Lite Co Toledo 1 Ohio
F. & B. Mfg. Co., 4248 W. Chicago Ave., Chicago 51, Ill.
Fasco Industries Inc 400 Davis St Rochester 2 N Y (Headlamp)
Gasco—See General Automotive Specialty Co.
General Automotive Specialty Co 10-40 45th Ave Long Island City 1 N Y "Gasco"
Griffin Lamp Co Shelby Miss
Guaranteed Parts Co., Seneca Falls, N. Y.
Ideal Corp 435 Liberty Ave Brooklyn 7 N Y
K-D Lamp Co 1910 Elm St Cincinnati 10 Ohio
Mark-Time Kar-Lite—See M H Rhodes Inc
Mitchel Specialty Div Industrial Enterprises Inc Edmund & Shelmire Sts Philadelphia 36 Pa
National—See Wheel Parts & Mfg Co
National Ignition Mfg Co 521 W 23rd St New York 11 N Y "Nimco"
Niehoff & Co., C. E., 4925 W. Lawrence Ave., Chicago 30, Ill.
Nimco—See National Ignition Mfg Co
Paragon Products Corp 140 Astor St Newark 5 N J "Vulcan" (Sole distributors Vulcan Motor Products Inc 1060 Broad St Newark 2 N J)
Pollak Corp., Joseph, 75 Freeport St., Boston 22, Mass.
Preferred Electric & Wire Co., Bush Terminal Bldg. No. 8, Brooklyn 32, N. Y.
R-B-M Div., Essex Wire Corp., Chestnut & Hanna Sts., Logansport, Ind.
Regal Motor Products Inc 6325 Grand River Ave Detroit 8 Mich
Rhodes Inc M H 30 Bartholomew Ave Hartford 6 Conn "Mark-Time Kar-Lite" (Automatic timing for headlights)
Standard Motor Products, Inc., 3718 Northern Blvd., Long Island City, N. Y.
Tasco Products Div of Guaranteed Parts Co Seneca Falls N Y
Vulcan—See Paragon Products Corp
Wade Electric Products Co 211 N Jacobs St Sturgis Mich
Wheel Parts & Mfg Co 352 Fourth Ave N Y 10 N Y "National"

SWITCHES, Limit (Machine Tool)

Denison Mfg Co R B 386 Broadway Bedford Ohio

SWITCHES, Low Air Pressure Warning (Truck)

Fasco Industries Inc 400 Davis St Rochester 2 N Y

SWITCHES, Pressure

AC The Electronics Div of General Motors 1300 N Dort Hway Flint 2 Mich

SWITCHES, Seat and Window (Electric)

Delta Electric Co 33rd & Nebraska Sts Marion Ind

SWITCHES, Starter

American Motor Products Co., Fond du Lac, Wis. "Ampco."
Ampco—See American Motor Products Co.
Auto-Life—See Electric Auto-Lite Co.
Automatic Battery Co of America 132 S Center St Goldsboro N C "Orpin" (Battery)
Auto-Test Inc 600 S Michigan Ave Chicago 5 Ill "Test-Aid" (Remote control)
Carter Parts Co 3401 W Madison St Skokie Ill
Clum Mfg. Co., 601 W. National Ave., Milwaukee 4, Wis.
Cole-Hersee Co., 20 Old Colony Ave., Boston 27, Mass.
Delco-Remy Div General Motors Corp 2401 Columbus Ave Anderson Ind
Echlin Mfg Co U S Route 1 Branford Conn
Electric Auto-Lite Co Toledo 1 Ohio "Auto-Lite"
F. & B. Mfg. Co., 4248 W. Chicago Ave., Chicago 51, Ill. "Filko." (Solenoid.)
Filko—See F. & B. Mfg. Co.
Freedco Products Inc 36-08 33rd St Long Island City 6 N Y
GP—See Guaranteed Parts Co.
Gasco—See General Automotive Specialty Co.
General Automotive Specialty Co 10-40 45th Ave Long Island City 1 N Y "Gasco" (Dash and floor)
Guaranteed Parts Co., Seneca Falls, N. Y. "GP."
Hanson Co Harvey E Lake Blvd & Commercial St Paw Paw Mich (Remote control)
Holley Carburetor Co 11955 E Nine Mile Rd Warren Mich
Illinois Accessories Co 317 E Ontario St Chicago 11 Ill "Illaco"
Kem Mfg. Co., 20-21 Wagaraw Rd., Fair Lawn, N. J.
L-N—See Leece-Neville Co.
Leece-Neville Co 1374 E 51st St Cleveland 3 Ohio "L-N"
M D Parts Mfg Co 5247 Coffman-Pico Rd Pico Calif
Machined Parts Corp 6209 Hamilton Ave Detroit 2 Mich "Mapco"
Mapco—See Machined Parts Corp
National—See Wheel Parts & Mfg Co
National Ignition Mfg Co 521 W 23rd St New York 11 N Y "Nimco"
Nichoff & Co C E 4925 W Lawrence Ave Chicago 30 Ill
Nimco—See National Ignition Mfg Co
Orpin—See Automatic Battery Co of America
Paragon Products Corp 140 Astor St Newark 5 N J "Vulcan" (Sole distributors Vulcan Motor Products Inc 1060 Broad St Newark 2 N J)
Pollak Corp., Joseph, 75 Freeport St., Boston 22, Mass.
Preferred Electric & Wire Co., Bush Terminal Bldg. No. 8, Brooklyn 32, N. Y.
R-B-M Div., Essex Wire Corp., Chestnut & Hanna Sts., Logansport, Ind.
Shurhit Products Inc 845 S Market St Waukegan Ill
Sorensen Mfg Co P 32-31 57th St Woodside 77 N Y
Standard Motor Products Inc 37-18 Northern Blvd., Long Island City, L. I., N. Y.
Switches Inc 317 E Ontario St Chicago 11 Ill
Tasco Products Div of Guaranteed Parts Co Seneca Falls N Y (Mechanical and solenoid)
Test-Aid—See Auto-Test Inc
Valley Forge Products Inc 370 19th St Brooklyn 15 N Y
Vulcan—See Paragon Products Corp
Wells Mfg Corp 12 S Brooke St Fond du Lac Wis
Wheel Parts & Mfg Co 352 Fourth Ave N Y 10 N Y "National"

SWITCHES, Starter (Automatic)

Murphy Inc Frank W 3131 S Sheridan St Tulsa Okla
Synchro-Start Products Inc 8151 N Ridgeway Ave Skokie Ill

SWITCHES, Stop Light

American Motor Products Co., Fond du Lac, Wis. "Ampco."
Ampco—See American Motor Products Co.
Ark-Les Switch Corp 51 Water St Watertown 72 Mass
Bendix-Westinghouse Automotive Air Brake Co 901 Cleveland Rd Elyria Ohio
Berg Mfg & Sales Co 1712 S Michigan Blvd Chicago 16 Ill
Betts Machine Co 1800 Pennsylvania Ave W Warren Pa "Warren"
Carter Parts Co 3401 W Madison St Skokie Ill
Clum Mfg. Co., 601 W. National Ave., Milwaukee 4, Wis.
Cole-Hersee Co., 20 Old Colony Ave., Boston 27, Mass.
Delta Electric Co., 33rd & Nebraska Sts., Marion, Ind.
Douglas Mfg. Div., Kingston Products Co., Railroad St., Bronson, Mich.
Els Automotive Corp Box 701 Middletown, Conn
Electric Auto-Lite Co Toledo 1 Ohio
Fasco Industries, Inc., 400 Davis St., Rochester 2, N. Y.
GP—See Guaranteed Parts Co.
Guaranteed Parts Co., Seneca Falls, N. Y. "GP."
Kelsey-Hayes Co 3600 Military Ave Detroit 32 Mich (Trailer)
Kem Mfg. Co., 20-21 Wagaraw Rd., Fair Lawn, N. J.
Lockheed—See Wagner Electric Corp.
Loock & Co R J 343 N Gay St Baltimore Md
Machined Parts Corp., 6209 Hamilton Ave., Detroit 2, Mich. "Mapco."
Mapco—See Machined Parts Corp.
Master Parts Div Airtex Products Inc Fairfield Ill
Midland-Ross Corp Owosso Div 490 S Chestnut St Owosso Mich (Trailer)
Motive Equipment Mfrs., Inc., 5253 W. Roosevelt Rd., Chicago 50, Ill. "Pilot."
Murray Corp E. Joppa Rd Towson 4 Md
National—See Wheel Parts & Mfg Co
National Ignition Mfg. Co., 521 W. 23rd St., New York 11, N. Y. "Nimco."
Nimco—See National Ignition Mfg Co
Perfect Parts Inc 43 W 23rd St. N. Y. 10 N Y
Pilot—See Motive Equipment Mfrs., Inc.
Pollak Corp Joseph 75 Freeport St Boston 22 Mass
Preferred Electric & Wire Co., Bush Terminal Bldg, No. 8, Brooklyn 32, N. Y.
R-B-M Div., Essex Wire Corp., Chestnut & Hanna Sts., Logansport, Ind.
Sorensen Mfg Co P 32-31 57th St Woodside 77 N Y
Standard Motor Products, Inc., 37-18 Northern Blvd., Long Island City 1, Long Island, N. Y.
Tasco Products Div of Guaranteed Parts Co Seneca Falls N Y
Transit Parts Co 35700 Vine St Willoughby Ohio (Bus truck and trailer)
Valley Forge Products Inc 370 19th St Brooklyn 15 N Y
Wagner Electric Corp, 6400 Plymouth Ave., St Louis 33 Mo "Lockheed"
Warren—Betts Machine Co
Weatherhead Co Fort Wayne Div 128 W Washington Blvd Fort Wayne Ind
Wells Mfg Corp 12 S Brooke St Fond du Lac Wis
Wheel Parts & Mfg Co 352 Fourth Ave N Y 10 N Y "National"
Yankee Metal Parts Corp 25 Grand St Norwalk, Conn.

SWITCHES, Temperature

AC The Electronics Div of General Motors Corp 1300 N Dort Hway Flint 2 Mich

SWITCHING RELAYS—See Relays, Switching

SYSTEMS, Air Circulating (Truck-Trailer)

Preco Inc 6300 E Slauson Ave Los Angeles 24 Calif

SYSTEMS, Dust (Exhaust and Collector)

ABC Sirocco—See American Standard Industrial Div
Aerodyne—See Research-Cottrell Inc
American Standard Industrial Div Detroit 32 Mich "ABC Sirocco"
Bartlett & Snow Co C O 6200 Harvard Ave Cleveland 5 Ohio "Bartlett-Snow"
Brady Conveyors Corp 4244 Dempster St Skokie Ill
Circo Equipment Co 120 Central Ave Clark N J
Cyclo-trell—See Research-Cottrell Inc
Delta-Rockwell—See Rockwell Mfg Co
DeVilbiss Co 300 Phillips Ave Toledo 1 Ohio
DeVilbiss Metal Fabricators Co 17900 Ryan Rd Detroit 12 Mich "Hydro-Whirl"
Dynaclone—See W W Sly Mfg Co
Hammond Machinery Builders Inc 1621 Douglas Ave Kalamazoo 54 Minn
Hisey-Wolf Machine Co Galvin & Mt Hope Aves Cincinnati 4 Ohio
Hydro-Whirl — See DeVilbiss Metal Fabricators Co
Joy Mfg Co 333 Oliver Bldg Pittsburgh 22 Pa "Joy Microdyne"
Kindt-Collins Co 12651 Elmwood Ave Cleveland 11 Ohio "Master"
Kirk & Blum Mfg Co 3120 Forrer St Cincinnati 9 Ohio
Macleod Co Box 402 Sharonville Ohio
Mahon Co R C 6565 E 8 Mile Rd Detroit 34 Mich
Maremont Automotive Products Inc S Ashland Ave at 16th St Chicago 8 Ill
Master—See Kindt-Collins Co
Metalwash Machinery Corp 901 North Ave Elizabeth 4 N J
Mikro-Pulsaire—See Pulverizing Machinery Div
Pangborn Corp 200 Pangborn Blvd Hagerstown Md.
Pulverizing Machinery Div Metals Disintegrating Co 85 Chatham Rd Summit N J "Mikro-Pulsaire"
Research-Cottrell Inc P O Box 750 Bound Brook N J "Aerodyne"; "Cyclo-trell" (Mechanical)
Rockwell Mfg Co Delta Power Tool Div 400 N Lexington Ave Pittsburgh 8 Pa "Delta-Rockwell"
Ruemelin Mfg. Co., 3860 N. Palmer St., Milwaukee, Wis.
Schmieg Industries Inc 29330 Sherwood St Detroit 32 Mich
Schneible Co Claude B P O Box 296 Roosevelt Park Annex Detroit 2 Mich
Sly Mfg Co W W 4706 Train Ave Cleveland Ohio "Dynaclone"
Standard Electrical Tool Co Mt Hope & River Rd Cincinnati 4 Ohio
Tabor Mfg. Co., 6225 Tacony St., Philadelphia 35, Pa.
Torit Mfg Co 1133 Rankin St St Paul 2 Minn
Wheelabrator Corp 402 Byrkit St Mishawaka Ind "Wheelabrator Dustube"
Young & Bertke Co 2212 Buck St Cincinnati 22 Ohio

SYSTEMS, Data Processing

International Business Machine Corp 590 Madison Ave New York 22 N Y

SYSTEMS FINISHING—See Systems, Finishing

SYSTEMS, Fuel Control (Jet Engine)

Holley Carburetor Co 11955 E Nine Mile Rd Warren Mich

SYSTEMS, Ignition (Complete)

(See also Coils, Ignition; also Distributors, Ignition; also Magnetos, Ignition; also Motors, Starting [Electric])

Auto-Lite—See Electric Auto-Lite Co
Delco-Remy Div General Motors Corp 2401 Columbus Ave Anderson Ind
Electric Auto-Lite Co Toledo 1 Ohio "Auto-Lite"
Fairbanks Morse & Co Beloit Wis
Kellogg Switchboard & Supply Co., 6650 S. Cicero Ave., Chicago, Ill.
Mallory Electric Corp 12416 Cloverdale Ave Detroit 4 Mich
Shurhit Products Inc 845 S Market St Waukegan Ill

SYSTEMS, Ignition (Emergency)

K-W—See Stan-Test Corp
Stan-Test Corp 4630 W Harrison St Chicago 44 Ill "K-W"

SYSTEMS, Overhead Carrying

American Monorail Co., 13107 Athens Ave., Cleveland 7, Ohio.
Anchor Steel & Conveyor Co 6906 Kingsley Ave Dearborn Mich
Borg-Warner Industrial Cranes 1536 S Paulina St Chicago 8 Ill
Chainveyor Corp 5618 E Washington Blvd Los Angeles 22 Calif
Chicago Tramrail Corp 1330 S Kostner Ave Chicago 23 Ill "Trak-Rak"
Cleveland Crane & Engineering Co., 5866 E. 283rd St., Wickliffe, Ohio. "Cleveland Tramrail."
Detroit Hoist & Machine Co 8216 Morrow St Detroit 11 Mich
Harnischfeger Corp 4400 W National Ave Milwaukee 14 Wis "P & H"
Lamson Corp., 100 Lamson St., Syracuse 1, N. Y.
Link-Belt Co Dept 59-AIPG Prudential Plaza Chicago 1 Ill
Louden Machinery Co., 1102 West Ave., Fairfield, Iowa.

SYSTEMS, Overhead Carrying—continued

P & H—See Harnischfeger Corp.
Reading Crane & Hoist Corp 2140 Adams St Reading Pa
Richards-Wilcox Mfg. Co., Third St. & C. B. & Q. R. R. Tracks, Aurora, Ill.
Shepard Niles Crane & Hoist Corp Montour Falls N Y (Electric)
Trak-Rak—See Chicago Tramrail Corp
Whiting Corp 157th & Lathrop Sts Harvey Ill

SYSTEMS, Recording (Oscillographic)

Sanborn Co 175 Wyman St Waltham 54 Mass

T LATHES—See Lathes, T

TABLES, CIRCULAR SAW—See Machines, Sawing (Circular)

TACHOMETERS, Engine Testing (Auto)

Allen Electric & Equipment Co., 2101 N. Pitcher St., Kalamazoo 13F, Mich. (Electric.)
Auto-Test Inc 600 S Michigan Ave Chicago 5 Ill
Electro Products Co., 445 E. 189th St., New York 58, N. Y.
Hanson Co Harvey E Lake Blvd & Commercial St Paw Paw Mich
Herbrand Div Bingham-Herbrand Corp Lake & Stone Sts Fremont Ohio
Kal-Equip Co 411 Washington St Otsego Mich "Kal-Tach"
King Electric Equipment Co 9115 Inman Ave Cleveland 5 Ohio
Motoraide Corp 2400 Emerald St Philadelphia 25 Pa (Electric)
Niehoff & Co C E 4925 W Lawrence Ave Chicago 30 Ill
Sun Electric Corp., 6323 Avondale Ave., Chicago 31, Ill (Electric.)
Weidenhoff Corp Algona Iowa

TACHOMETERS, Speed

AC Spark Plug The Electronics Div of General Motors 1300 N Dort Highway Flint 2 Mich (Electric)
Almquist Engrg Co Milford Pa
Amthor Testing Instrument Co 45 Van Sinderen Ave Brooklyn 7 N Y
Barbour-Stockwell Instruments Div of Curtis & Marble Machine Co 80 Cambridge St Worcester 3 Mass
Biddle Co James S 1316 Arch St Philadelphia 7 Pa "Frahm" "Jagabi"
Bristol Co Waterbury 20 Conn
Electro-Mechano Co 261 E Erie St Milwaukee 2 Wis (Electric)
Esterline-Angus Co., P. O. Box 596, Indianapolis 6, Ind.
Frahm—See James S Biddle Co
Herbrand Div Bingham-Herbrand Corp Lake & Stone Sts Fremont Ohio
Ideal Industries, Inc., 1014 Park Ave., Sycamore, Ill.
Jagabi—See James S Biddle Co
Jones-Motrola Corp., 432 Fairfield Ave., Stamford, Conn. "Jones."
K-S—See King Seeley Corp
King-Seeley Corp 315 S First St Ann Arbor Mich "K-S"
Martindale Electric Co., 1310 Hird Ave., Cleveland 7 Ohio (Swiss)
Metron Instrument Co 432 Lincoln St Denver 3 Colo (Electric)
Minneapolis-Honeywell Regulator Co Industrial Div Wayne & Windrim Aves Philadelphia 44 Pa
O-Z—See O. Zernickow Co.
Performance Measurements Co 15301 W McNichols Rd Detroit 35 Mich
Photocon Research Laboratories 421 N Altadena Dr Pasadena 8 Calif
Reliance — See Barbour-Stockwell Instruments Div
Standco—See Herman H. Sticht Co
Stewart-Warner Corp Instrument Div 1826 Diversey Parkway Chicago Ill (Electric and mechanical)
Sticht Co., Herman H., 27 Park Place, New York, N. Y. "Standco."
Sun Electric Corp., 6323 Avondale Ave., Chicago 31, Ill
Veeder-Root, Inc., 20 Sargeant St., Hartford 2, Conn.
Waltham Precision Instrument Co 221 Crescent St Waltham 54 Mass
Zernickow Co O 15 Park Row N Y 38 N Y "O-Z"

TACKING MACHINES—See Machines Tacking

TAILGATE LOADERS, Truck—See Loaders, Truck (Elevating Tailgate)

TAIL LAMPS—See Lamps, Back-Up, Cowl, Dome, Fender, Tail, Parking, Running Board and Clearance

TAIL PIPES—See Pipes, Tail and Exhaust

TAKE-OFFS, Power

(Attachments to permit the use of the car motor for general power purposes)

Adaloy—See Adams Engrg. Co.
Adams Engrg Co 31711 Solon Rd Solon Ohio "Adaloy" & "Adams"
Arrow Gear Div of Motor Products Corp P O Box 547 Broken Arrow Okla
Auburn—See Dana Corp
Cemco Industries Inc Galion Ohio (Split shaft)
Chelsea Products Inc 21 Buchanan St Chelsea Mich
Cotta Transmission Co., 2340 11th St., Rockford, Ill.
Couse Mfg., Inc., 300 Pacific St., Newark 4, N. J.
Dana Corp 4100 Bennett Rd Toledo 1 Ohio "Auburn" "Spicer"
Dura Co Paris Products Div Paris Ky
F. A. B. Mfg. Co., 1249 67th St., Oakland 8, Calif. "Fabco."
Fabco—See F. A. B. Mfg. Co.
Funk Aircraft Co 1211 W 12th St Coffeyville Kans
Gar Wood Industries Inc Wayne Mich (With hoist winch and crane)
Heil Co 3000 W Montana St Milwaukee 1 Wis
Hendrickson Mfg Co 8001 W 47th St Lyons Ill
Highway Trailer Co 405 E Fulton St Edgerton Wis
Holan Corp 4100 W 150th St Cleveland 35 Ohio
Lempco Products Inc 5490 Dunham Rd Bedford Ohio
Muncie Parts Mfg Co 2601 S Jefferson St Muncie Ind
Rockford Clutch Div., Borg-Warner Corp., 1319 18th Ave., Rockford, Ill.
Spicer—See Dana Corp
Stimmel Winch Co., 37-24 33rd St., Long Island City 1 N Y
Stow Mfg Co 443 State St Binghamton N Y (Flexible shaft)
Truckstell Mfg 3490 W 140th St Cleveland 11 Ohio
Tulsa Winch Div of Vickers Inc 815 E First St Tulsa 20 Okla
Twin Disc Clutch Co 1328 Racine St Racine Wis
Waterous Co 80 E Fillmore Ave St Paul 7 Minn
Watson Co H S 1216 67th St Emeryville 8 Calif "Watson-Brown-Lipe"
Western Gear Corp 2600 E Imperial Highway Lynwood Calif

TANDEM SUSPENSIONS (TRUCK) — See Suspensions, Tandem (Truck)

TANK BODIES—See Tanks, Trailer and Truck Body

TANK BODY EQUIPMENT — See Valves, Two-Way, Three-Way and Four-Way (Tank); also Vents, Tank Body

TANK EQUIPMENT—See Caps, Gasoline Tank

TANKS, Air and Vacuum (Brake)

Kelsey-Hayes Co 3600 Military Ave Detroit 32 Mich (Vacuum)
Stolper Steel Products Corp 300 Pilgrim Rd Menomonee Falls Wis

TANKS, AUTOMOBILE (FUEL SUPPLY)—See Tanks, Gasoline and Diesel (Auto)

TANKS, Chemical Fire

(For installation on motor propelled fire apparatus)

Safety Fire Extinguisher Co., 293 Seventh Ave., New York 1, N. Y.

TANKS, FIRE—See Tanks, Chemical Fire

TANKS, Gasoline and Diesel (Auto)

American Safety Tank Co 3937 Main St Kansas City 11 Mo
Anderson Co., O. L., 1347 E. Fort St., Detroit 7, Mich.
Chilton Metal Products Inc 300 Breed St Chilton Wis
Cutler Metal Products Co 1025 Line St Camden N J
Fontaine Truck Equipment Co 1232 N 37th Pl Birmingham Ala (Auxiliary gasoline for trucks)
K & B—See Kirk & Blum Mfg Co
Kirk & Blum Mfg Co 3120 Forrer St Cincinnati 9 Ohio "K & B"
M D Parts Mfg Co 5247 Coffman-Pico Rd Pico Calif (For jeeps)
Master Tank & Welding 1612 Singleton Blvd Dallas 2 Tex (Side-mounted)
Michigan Fleet Equipment Co 2350 Chicago Drive S W Grand Rapids Mich (Truck)
Mitchell Metal Products Inc 6501 Cedar Ave Cleveland 3 Ohio
Prior Products Inc 4828 Racell St Dallas Tex (Also combination tank tool chest and jack well for trucks; also step round cylindrical, etc., tanks.)
Snyder Tank Corp 3773 Lake Shore Blvd (P O Box 14) Buffalo 5 N Y (Aluminum truck)
Stolper Steel Products Corp 300 Pilgrim Rd Menomonee Falls Wis
Western Metal Specialty Div Western Industries Inc 1213 N 62nd St Milwaukee 13 Wis

TANKS, LP-Gas Fuel (Truck and Trailer)

Western Tank & Steel Corp 1302 Erskine St Lubbock Tex

TANKS, Metal Pickling

Mahon Co R C 6565 E 8 Mile Rd Detroit 34 Mich
Rolock Inc 1350 Kings Highway Fairfield Conn

TANKS, Quenching

Biggs Steel Fdry & Fabricating Co 1007 Bank St Akron 5 Ohio
EF—See Electric Furnace Co.
Electric Furnace Co 539 Wilson Ave Salem Ohio "EF" "Elfurno"
Elfurno—See Electric Furnace Co.
Sharpsville Steel Fabricators, Inc., Sharpsville, Pa.

TANKS, Surge (For Radiators)

Stolper Steel Products Corp 300 Pilgrim Rd Menomonee Falls Wis

TANKS, Trailer and Truck Body

American Body & Equipment Co Ft Worth-Dallas Pike Dallas Tex (Milk truck)
American Steel Works 1211 W 27th St Kansas City Mo
Andrews Industries Inc 7901 Alabama Ave St Louis 11 Mo
Auto Truck Steel Body Co 3040 Carroll Ave Chicago 12 Ill
Beall Pipe & Tank Corp 12005 N Burgard St Portland 3 Ore
Boston Steel & Mfg Co 112 Bryant St Malden 48 Mass (Oil and gasoline truck)
Butler Mfg Co 7400 E 13th St Kansas City 26 Mo (Aluminum)
Certified—See Stainless & Steel Products Co
Champion Sheet Metal Co 2 Squires St Cortland N Y (Fuel truck to order)
Columbian Steel Tank Co., 1409 W. 12th St., Kansas City 7, Mo.
Cutler Metal Products Co., 1025 Line St., Camden, N. J.
Eaton Metal Products Corp., 13th St. & Willis Ave Omaha 2 Nebr (Truck)
Farrell Mfg. Co., 804 E. Cass St., Joliet, Ill
Fruehauf Trailer Co., 10940 Harper Ave. Detroit 32, Mich.
Gary Steel Products Corp P O Box 443 Lynchburg Va (To order)
Heil Co 3000 W Montana St Milwaukee 1 Wis "Heil Frigid-Lite" (Plastic; "Helliter" "Heil" steel)
Hews Body Co 87 St John St Portland 4 Me
Highway Trailer Co 405 E Fulton St Edgerton Wis (Trailer)
Industrial Steel Tank & Body Works Inc 2533 Fourth St Berkeley 10 Calif
Kaustine Furnace & Tank Corp Perry N Y
Kennedy Tank & Mfg Co 833 E Sumner Ave Indianapolis 27 Ind (Truck)
Lang Co 267 W 1st South St Salt Lake City 10 Utah (Truck)
Lifetime—See Niles Steel Tank Co
Master Tank & Welding 1612 Singleton Blvd Dallas 2 Tex "Time Saver" (Truck)
Morrison Bros Co 2401 Elm St Dubuque Iowa (Truck)
Niles Steel Tank Co., Niles, Mich. "Lifetime."

Paceco—See Pacific Coast Engrg Co
Pacific Coast Engrg Co Oak & Clement Sts Alameda Calif "Paceco" (Trailer to order)
Pennsylvania Furnace & Iron Co 316 Pine St Warren Pa
Portersville Stainless Equipment Corp Portersville Pa
Press' Sons Inc Jacob 501 W 33rd St Chicago 16 Ill
Progress Mfg Co Oil Equipment Div Arthur Ill (Steel aluminum and stainless steel)
Providence Body Co 750 Wellington Ave Cranston R I (Truck)
Quaker City Iron Works, Aramingo & Ontario Sts., Philadelphia 34, Pa. (Truck.)
Rock Hill Body Co W Main St Rock Hill S C (Truck)
Sharpsville Steel Fabricators Inc Sharpsville Pa (Truck)
Stainless & Steel Products Co 1000 Berry Ave St Paul 14 Minn "Certified" (Stainless steel)
Standard Steel Works Inc 16th & Howell Sts North Kansas City 16, Mo
Stoughton Body Div of M P M Corp 408 E South St Stoughton Wis (Milk)
Superior Metal Products Inc Branson & 18th Sts Marion Ind (Truck to order)
Time-Saver—See Master Tank & Welding
Truck Welding & Equipment Co., 739 Ninth Ave N Seattle 9 Wash (Truck)
Wentworth & Irwin, Inc., 123 N. E. Oregon St., Portland 14, Ore. (Truck.)
Wichita Body & Equipment Co 1926 N Broadway Wichita 12 Kans (Live fish transport)
Wilco, Inc., 400 E. Decatur St., Kenton, Ohio.
Wright Co Thomas 185 Dey St Jersey City 6 N J

TANKS, TRUCK BODY—See Tanks, Trailer and Truck Body

TANTALUM CARBIDE—See Alloys, Cutting

TAP SHARPENERS—See Machines, Grinding (Tap)

TAPE, Insulating

Anchor Packing Co 401 N Broad St Philadelphia 8 Pa "Ankorite"
Anchor Webbing Co P O Box 1624 Providence R I "Awebco"
Ankorite—See Anchor Packing Co
Arbeka Webbing Co 1155 Roosevelt Ave Pawtucket R I
Armalon—See E I du Pont de Nemours & Co
Armstrong Cork Co Industrial Div 7011 Imperial Ave Lancaster Pa (Cork and rubber vibration damping)
Awebco—See Anchor Webbing Co
Bear—See Behr-Manning Co
Behr-Manning Co 1960 Howe St Troy N Y "Bear"
Bell Co 411 N Wolcott Ave Chicago 22 Ill "Flare"
Better Monkey Grip Co 5320 Harry Hines Blvd Dallas 22 Tex **"Monkey Grip" (Sole** distributors Monkey Grip Sales Co 5320 Harry Hines Blvd Dallas 22 Tex)
Black Diamond—See M W Dunton Co
Boston Woven Hose & Rubber Co Cambridge Mass (P O Box 1071 Boston 3 Mass) "Bull Dog"
Bull Dog—See Boston Woven Hose & Rubber Co
Camel—See H. B. Egan Mfg. Co.
Chase & Sons Inc 26 Spruce St North Quincy Mass
Connecticut Hard Rubber Co 407 East St New Haven 9 Conn "Temp-R-Tape"
Continental-Diamond Fibre Corp Newark 2 Del
Continental Rubber Works 1946 Liberty St Erie Pa "Vitalic"
Crown Products Co 5722 S 77th St Ralston Neb
Dayton Rubber Co 2342 Riverview Ave (Box 1004) Dayton Ohio
Dee Gee—See Detroit Gasket & Mfg Co
Detroit Gasket & Mfg Co 12640 Burt Rd Detroit 23 Mich "Dee Gee"
Dow Corning Corp Midland Mich "Silastic"
Dryden Rubber Div Sheller Mfg Corp 1014 S Kildare Ave Chicago 24 Ill
Dunton Co M W 7 Goff St Providence 3 R I "Black Diamond" "Dunton"
du Pont de Nemours & Co E I Fabrics & Finishes Dept Fabrics Div Wilmington 98 Del "Armalon" (TFE-fluorocarbon for electrical insulation; "Fairprene" for seam sealant for oil air etc)
Durkee-Atwood Co 215 Seventh St N E Minneapolis 13 Mich
Dutch Brand—See Johns-Manville Dutch Brand Div
Egan Mfg Co H B P O Box 1406 Muskogee Okla "Camel"
Fairprene—See E I du Pont de Nemours & Co.
Fasthold—See Mitchell-Rand Mfg Corp
Firestone Tire & Rubber Co 1200 Firestone Parkway Akron Ohio
Flare—See Bell Co
4-Star—See Johns-Manville
Goodrich Industrial Products Co B F 500 S Main St Akron 18 Ohio
Gripper—See Rawhide Products Co
Gross Mfg Co 1711 California St Monrovia Calif
Haartz-Mason Inc Mechanical Products Div 270 Pleasant St Watertown 72 Mass "Stronghold" "Paramount" & "Paraplastic"
Hanson-Van Winkle-Munning Co Matawan N J "Wrap-Rax"
Hi-Value—See Johns-Manville
Hope Webbing Co P O Box 1495 Providence 1 R I
Ideal Industries Inc 1014 Park Ave Sycamore Ill
Imp—See Superior Insulating Tape Co
Irvington Varnish & Insulator Div of Minnesota Mining & Mfg Co 6 Argyle Terrace Irvington 11 N J "Temflex"
J-M—See Johns-Manville Corp
Johns-Manville 22 E 40th St New York N Y "J-M" "Hi-Value" "4-Star" "Jomanco"
Johns-Manville Dutch Brand Div 7800 Woodlawn Ave Chicago 19 Ill "Dutch Brand"
Jomanco—See Johns-Manville
Kendall Co Polyken Sales Div 309 W Jackson Blvd Chicago 6 Ill "Polyken"
Kleen Kut—See Superior Insulating Tape Co
Minnesota Mining & Mfg Co 900 Bush Ave St Paul 6 Minn "Scotch"
Mitchell-Rand Mfg Corp 51 Murray St New York N Y "Fasthold" "Paruba" "Shield"
Monkey Grip—See Better Monkey Grip Co
Moxness Products Inc 1914 Indiana St Racine Wis "Mox-Tape" (For electric motors)
Mystik Adhesive Products Inc 2635 N Kildare Ave Chicago 39 Ill
Paramount—See Haartz-Mason Inc
Paraplastic—See Haartz-Mason Inc
Paruba—See Mitchell-Rand Mfg Corp
Permacel U S Highway 1 New Brunswick N J
Plymouth Rubber Co 59 Revere St Canton Mass **"Plymouth" & "Slipknot"**
Polyken—See Kendall Co
Rawhide Products Co Michigan Ave Kenilworth N J "Gripper"
S I—See Superior Insulating Tape Co
Scotch—See Minnesota Mining & Mfg Co
Seamless Rubber Co Industrial Tape Div 253 Hallock Ave New Haven 3 Conn
Shield—See Mitchell-Rand Mfg Corp
Shuford Mills Inc 15th St & Highland Ave N E Hickory N C "Shurtape"
Shurtape—See Shuford Mills Inc
Silastic—See Dow Corning Corp
Slipknot—See Plymouth Rubber Co
Southern Weaving Co 4 Evans St Greenville S C
Stronghold—See Haartz-Mason Inc
Superior Insulating Tape Co 3100 Lambdin Av St Louis 15, Mo. "Imp," "S. I," "Kleen Kut."
Temflex—See Irvington Varnish & Insulator Div
Temp-R-Tape—See Connecticut Hard Rubber Co
United States Rubber Co., Rockefeller Center, 1230 Ave. of the Americas, New York 20, N. Y.
Vitalic—See Continental Rubber Works
Walker Bros River & End Sts Conshohocken Pa "Walker of Conshohocken"
Wrap-Rax—See Hanson-Van Winkle-Munning Co.

TAPE, Masking

American Tape Co 4058 Beaufait Ave Detroit 7 Mich "Pres-Stix"
Anchor Brand—See Continental Tapes
Bear—See Behr-Manning Corp
Behr-Manning Corp 4457 Howe St Troy N Y "Bear"
Blue Cross—See Hampton Mfg Co
Carborundum Co Buffalo Ave Niagara Falls N Y "Flexbac"
Continental Tapes P O Box 256 Cayce S C "Anchor Brand"
Dutch Brand—See Johns-Manville Dutch Brand Div
Eastman Kodak Co 343 State St Rochester 4 N Y
Flexbac—See Carborundum Co
Hampton Mfg Co Industrial Tape Div 111 Cedar St New Rochelle N Y "Blue Cross"
Johns-Manville Dutch Brand Div 7800 Woodlawn Ave Chicago 19 Ill **"Dutch Brand"**
Kendall Co Polyken Sales Div 309 W Jackson Blvd Chicago 6 Ill "Polyken"
Minnesota Mining & Mfg Co 900 Fauquier St St Paul 6 Minn "Scotch"
Mystik Adhesive Products Inc 2635 N Kildare Ave Chicago 39 Ill
Permacel U S Highway 1 New Brunswick N J
Plask—See Servwell Products Co
Polyken—See Kendall Co
Pres-Stix—See American Tape Co
Scotch—See Minnesota Mining & Mfg Co
Seamless Rubber Co Industrial Tape Div 253 Hallock Ave New Haven 3 Conn
Servwell Products Co., 6519 Euclid Ave., Cleveland 3, Ohio. "Plask."
Shuford Mills Inc 15th St & Highland Ave N E Hickory N C "Shurtape"
Shurtape—See Shuford Mills Inc

TAPPERS, Portable Electric

Black & Decker Mfg Co 629 Pennsylvania Ave Towson 4 Md "Tapgun"
Chicago Pneumatic Tool Co 6 E 44th St N Y 17 N Y "Universal"
Tapgun—See Black & Decker Mfg Co
Thor Power Tool Co 175 State St Aurora Ill
United States Electrical Tool Co 3620 Llewelyn St Cincinnati 23 Ohio
Universal—Chicago Pneumatic Tool Co

TAPPERS, Portable Pneumatic

CP—See Chicago Pneumatic Tool Co
Chicago Pneumatic Tool Co 6 E 44th St N Y 17 N Y "CP"
Gardner-Denver Co S Front St Quincy Ill

TAPPET SCREWS—See Screws, Valve Tappet Adjusting

TAPPETS, Valve

Allied Precision Products 600 E San Christopher Drive Dunedin Fla "Skinner" (Hydraulic and mechanical)
Brown Corp., 213 Bellevue Ave., Syracuse, N Y
Chicago Screw Co Div of Standard Screw Co 2701 Washington Blvd Bellwood Ill (Hydraulic and mechanical)
Diesel Equipment Div General Motors Corp 2100 Burlingame Ave S W Grand Rapids 2 Mich "No-Lash" (Hydraulic; sole distributors AC Spark Plug The Electronics Div of General Motors 1300 N Dort Hwy Flint 2 Mich)
Eaton Mfg Co Saginaw Div 1000 Rust St Saginaw Mich "Zero-Lash" (Also hydraulic and self-adjusting)
Ertel Mfg Co 2045 Martindale Ave Indianapolis 7 Ind
Ertel Products Co Repl Div of Ertel Mfg Corp 1402 E 20th St Indianapolis 7 Ind
Jambor Tool & Stamping Co 3057 N 30th St Milwaukee 10 Wis
Johnson Products Inc 1185 E Keating Ave Muskegon Mich (Also hydraulic)
McQuay-Norris Mfg Co 2320 Marconi Ave St Louis 10 Mo
No-Lash—See Diesel Equipment Div
Novamatic—See Thompson Products Valve Div
Rich Mfg Corp 96 N Division St Battle Creek Mich
Sealed Power Corp 2001 Sanford St Muskegon Heights Mich (Hydraulic and adjustable)
Skinner—See Allied Precision Products
Thompson Products Valve Div Thompson-Ramo-Wooldridge Inc 1455 E 185th St Cleveland 10 Ohio "Novamatic" (Automatic self-contained)
Toledo Steel Products Div of Thompson-Ramo-Wooldridge Inc 6402 Cedar Rd Cleveland 3 Ohio (Hydraulic)
Wohlert Corp., 700 E Grand River Drive, Lansing 5 Mich (Hydraulic and mechanical)
Zero-Lash—See Eaton Mfg Co

TAPPING MACHINES—See Machines, Tapping

TAPS, Collapsible

Consolidated Machine Tool Co 565 Blossom Rd Rochester 10 N Y "Modern"
Geometric Horton Div United-Greenfield Corp Blake & Valley Sts New Haven 15 Conn
J & L—See Jones & Lamson Machine Co
Jones & Lamson Machine Co 523 Clinton St Springfield Vt "J & L"
Landis Machine Co Fifth & Church Sts Waynesboro Pa
Modern—See Consolidated Machine Tool Co
Murchey Div Sheffield Corp 721 Springfield St Dayton Ohio
Namco—See National Acme Co.
National Acme Co., 170 E. 131st St., Cleveland 8, Ohio. "Namco."
R-S—See Rickert-Shafer Co.
Rickert-Shafer Co., 613 W. 11th St., Erie, Pa. "R-S."

TAPS, Hand and Machine

(See also Taps, Collapsible)

Bath & Co John 10 Mann St Worcester 2 Mass
Bay State Tap & Die Co Chauncy St Mansfield Mass
Besly-Welles Corp 20 N Wacker Drive Chicago 6 Ill
Blue Point—See Snap-On Tools Corp
Brubaker & Bros Co W L Millersburg Pa
Butterfield—See Union Twist Drill Co Butterfield Div
Card Div Union Twist Drill Co S W Rumford Ave Mansfield Mass
Co-form—See Hy-Pro Tool Co
GTD—See Greenfield Tap & Die Div
Geometric Horton Div United-Greenfield Corp Blake & Valley Sts New Haven 15 Conn (Solid adjustable)
Greenfield Tap & Die Div United-Greenfield Corp Sanderson St Greenfield, Mass "GTD"
HW—See Hanson-Whitney Co
Hanson-Whitney Co 169 Bartholomew Ave Hartford 2 Conn "HW"
Hy-Pro Tool Co 461 Mt Pleasant St New Bedford Mass "Co-form"
Jarvis Corp Middletown Conn
Keystone Reamer & Tool Co., Millersburg Pa.
Landis Machine Co Fifth & Church Sts Waynesboro Pa (Solid adjustable)
Morse Twist Drill & Machine Co 163 Pleasant St New Bedford Mass
Murchey Div Sheffield Corp 721 Springfield St Dayton Ohio (Solid adjustable)
Pratt & Whitney Co Charter Oak Blvd West Hartford 1 Conn
Shearcut Tool Co 7045 Darby Ave Reseda Calif "Shearcutter"
Snap-On Tools Corp 8046 28th Ave Kenosha Wis "Blue Point" (Hand)
Standard Tool Co 3950 Chester Ave Cleveland 14 Ohio
Threadwell Tap & Die Co Greenfield Mass
Union Twist Drill Co Monroe St Athol Mass
Union Twist Drill Co Butterfield Div Derby Line Vt "Butterfield"
Vermont Tap & Die Corp Main & Grove Sts Lyndonville Vt
Whitaker Mfg Co 409 S Green St Chicago Ill

TAXIMETERS

Rockwell Mfg Co Register Div 400 N Lexington Ave Pittsburgh 8 Pa "Rockwell-Ohmer"
United States Taximeter Co 514 W 54th St New York 19 N Y U S "Weisinger"
Weisinger—See United States Taximeter Co

TERMINALS, Storage Battery

Clipper—See Walker Bros
Crescent Co 20 Central Ave Pawtucket R I "Wiry Joe"
Everhot Products Co 2001 W Carroll Ave Chicago 12 Ill
Gould-National Batteries Inc Industrial Div 467 Calhoun St Trenton 7 N J
Grand Haven Brass Foundry 230 N Hopkin St Grand Haven Mich
Guaranteed Parts Co Seneca Falls N Y **(Solderless)**
Lightnin—See R J Loock & Co
Loock & Co., R. J., 343 N. Gay St., Baltimore, Md. "Lightnin."
National Aluminum & Brass Foundry, Inc., 1121 W. Elm St., Independence, Mo. (Brass.)
National Ignition Mfg. Co., 521 W. 23rd St., New York 11, N. Y. "Nimco."
Nimco—See National Ignition Mfg Co
Packard Electric Div General Motors Dana St Warren Ohio
Perfect Parts Inc 43 W 23rd St N Y 10 N Y
Preferred Electric & Wire Co Bush Terminal Bldg No 88 Brooklyn 32 N Y
Realflex Products Co 335 38th St Brooklyn 32 N Y "Realflex" "Speedway" "Yankee"
Silver Beauty—See Triple-A Specialty Co
Sorensen Mfg Co P 32-31 57th St Woodside 77 N Y
Speedway—See Realflex Products Co
Standard Motor Products Inc 37-18 Northern Blvd Long Island City L I N Y
Triple-A-Specialty Co 2835 N Western Ave Chicago 18 Ill "Triple-A" "Silver Beauty"
Victor Instrument Mfg Co 33 W 60th St New York 23 N Y
Walker Bros River & End Sts Conshohocken Pa "Walker of Conshohocken" "Clipper"
Whitaker Cable Corp., 1301 Burlington Ave., North Kansas City 16, Mo.
Willard Sales Automotive Div Electric Storage Battery Co P O Box 6266 Cleveland 1 Ohio
Wiry Joe—See Crescent Co
Yankee—See Realflex Products Co
Zierick Mfg Corp Beechwood & Rockdale Aves New Rochelle N Y

TERMINALS, Wire

AC Spark Plug The Electronic Div of General Motors 1300 N Dort Highway Flint 2 Mich
AMP Inc Eisenhower Blvd Harrisburg Pa "AMP-Faston" (Solderless)
American Electric Cable Co 181 Appleton St Holyoke Mass
Ark-Les Switch Corp 51 Water St Watertown 72 Mass
Auto-Lite—See Electric Auto-Lite Co
Barcy-Nicholson Co 8100 Joy Rd Detroit 4 Mich
Belden Mfg Co 415 S Kilpatrick St Chicago 44 Ill
Burndy Corp Omaton Div Norwalk Conn "Hylugs"
Clipper—See Walker Bros
Cole-Hersee Co., 20 Old Colony Ave., Boston 27, Mass.
Douglas Mfg Div Kingston Products Co Railroad St Bronson Mich
ETC—See Electrix Terminals & Connectors Inc
Electric Auto-Lite Co Toledo 1 Ohio "Auto-Lite"
Electrix Terminals & Connectors Inc 990 E 67th St Cleveland 3 Ohio "ETC"
Everlock—See Thompson-Bremer & Co
Hill Nut Co 2620 W Flournoy St Chicago 12 Ill
Hylugs—See Burndy Corp
Kem Mfg Co 20-21 Wagaraw Rd Fair Lawn N J
Lightnin—See R. J. Loock & Co.
Loock & Co., R. J., 343 N. Gay St., Baltimore, Md. "Lightnin."
Lynn—See Vaco Products Co.
Machined Parts Corp., 6209 Hamilton Ave., Detroit 2, Mich. "Mapco."
Mapco—See Machined Parts Corp.
Motor Master Products Corp P O Box 278 Defiance Ohio
National Ignition Mfg. Co., 521 W. 23rd St., New York 11, N. Y. "Nimco."
Nimco—See National Ignition Mfg. Co.
Packard Electric Div General Motors Dana St Warren Ohio
Patton-MacGuyer Co., Baker St. & Virginia Ave., Providence 5, R. I.
Pollak Corp., Joseph, 75 Freeport St., Boston 22, Mass.
Preferred Electric & Wire Co., Bush Terminal Bldg. No. 8, Brooklyn 32, N. Y.
Rajah Co 35 Verona Ave Newark 4 N J
Realflex Products Co 335 38th St Brooklyn 32 N Y "Realflex" "Speedway" "Yankee"
Richards Mfg Co 20 E Herman St Philadelphia 44 Pa
Shakeproof Div of Illinois Tool Works St Charles Rd Elgin Ill (Plain and locking)
Sherman Mfg. Co., H. B., 22 Barney St., Battle Creek, Mich.
Silver Beauty—See Triple-A Specialty Co
Speedway—See Realflex Products Co
Standard Motor Products Inc 37-18 Northern Blvd., Long Island City, L. I., N. Y.
Stimpson Co., Edwin B., 70 Franklin Ave., Brooklyn, N. Y.
Thompson-Bremer & Co 228 N La Salle St Chicago 1 Ill "Everlock"
Triple-A-Specialty Co 2835 N Western Ave Chicago 18 Ill "Triple-A" "Silver Beauty"
Vaco Products Co., 317 E. Ontario St., Chicago 11 Ill "Lynn" (Solderless)
Victor Instrument Mfg Co 33 W 60th St New York 23 N Y
Wade Electric Products Co., 211 N. Jacobs St., Sturgis, Mich.
Walker Bros River & End Sts Conshohocken Pa "Walker of Conshohocken" "Clipper"
Whitaker Cable Corp., 1301 Burlington Ave., North Kansas City 16, Mo.
Yankee—See Realflex Products Co
Zierick Mfg Corp Beechwood & Rockdale Aves New Rochelle N Y

TESTERS, Carburetor (For Factories)

Cox Instruments Div George L Nankervis Co 15300 Fullerton St Detroit 27 Mich

TESTERS, Cylinder Head Volume

Snyder Corp 3400 E Lafayette Ave Detroit 7 Mich

TESTERS, Diesel Engine

Bacharach Industrial Instrument Co 200 N Braddock Ave Pittsburgh 8 Pa
Diesel Control Corp 228 N Marine Ave Wilmington Calif "Unitest"
Kent-Moore Organization Inc 28635 Mound Rd Warren Mich
Kiene Diesel Accessories Inc 10352 Pacific Ave Franklin Park Ill
Unitest—See Diesel Control Corp

TESTERS, ELECTRICAL—See Instruments, Electrical Circuit Testing; also Stands, Electric Test

TESTERS, ENGINE—See Analyzers, Engine and Electrical Equipment; also Dynamometers, Engine Testing

TESTERS, Fuel Gage

Hanson Co Harvey E Lake Blvd & Commercial St Paw Paw Mich
Telectro Industries Corp 35-16 37th St Long Island City 1 N Y

TESTERS, GEAR—See Instruments, Gear Testing; also Machines, Testing (Gear)

TESTERS, METAL—See Instruments, Metal Testing; also Machines, Testing (Metal)

TESTERS, SPRING—See Machines, Testing (Spring); also Tools, Spring Testing

TESTERS, Torque (Wrench)

Jo-Line Tools Inc 8442 Otis St South Gate 30 Calif "Jotest"
Sturtevant Co P A Addison Ill
Sweeney Mfg Co B K 6300 E 44th St Denver 16 Colo

TESTERS, Valve (Portable)

(For testing seating of valve before assembly into engine)

Whittington Pump & Engrg Corp 1126 Prospect St Indianapolis 3 Ind "Whittco"

TESTING PLUGS, ADJUSTABLE—See Plugs, Testing (Adjustable)

THERMOCOUPLES

Bristol Co Waterbury 20 Conn
Minneapolis-Honeywell Regulator Co Industrial Div Wayne & Windrim Ave Philadelphia 44 Pa
United Sensor & Control Corp Glastonbury Conn

THERMOMETERS, RADIATOR—See Gages, Water Temperature Indicating

THERMOMETERS, Recording and Indicating

(See also Pyrometers)

American—See Manning Maxwell & Moore Inc
Bacharach Industrial Instrument Co 200 N Braddock Ave Pittsburgh 8 Pa
Barber-Colman Co 1300 Rock St Rockford Ill "Wheelco"
Bristol Co Waterbury 20 Conn
Dillon Co W C 14620 Keswick St Van Nuys Calif
Electric Auto-Lite Co Toledo 1 Ohio
Foxboro Co., Neponset Ave., Foxboro, Mass.
Freas Glass Works, Francis L., 140 E. Ninth Ave., Conshohocken, Pa. (Battery indicating)
Illinois Testing Laboratories, 420 N. LaSalle St., Chicago, Ill.
Kocour Co., 4800 S. St. Louis Ave., Chicago 32, Ill. (Indicating.)
Lewis Engineering Co., 339 Church St., Naugatuck, Conn.
Manning Maxwell & Moore Consolidated Ashcroft Hancock Div Stratford Conn "American"
Max-Min—See Weston Instruments Div of Daystrom Inc
Minneapolis-Honeywell Regulator Co Industrial Div Wayne & Windrim Aves Philadelphia 44 Pa
Powers Regulator Co 3400 Oaktown St Skokie Ill
Precision Thermometer & Instrument Co 1465 Brandywine St Philadelphia 30 Pa "Princo" (Indicating)
Princo—See Precision Thermometer & Instrument Co
Rochester Mfg Co 100 Rockwood St Rochester 10 N Y
Taylor Instrument Companies 95 Ames St Rochester 1 N Y
United States Gauge Div of American Machine & Metals Inc Clymer Ave Sellersville Pa
Weston Instruments Div of Daystrom Inc 614 Frelinghuysen Ave Newark 12 N J "Max-Min"
Wheelco—See Barber-Colman Co

THERMOMETERS, Vulcanizer

Bristol Co Waterbury 20 Conn
Taylor Instrument Companies, 95 Ames St., Rochester 1, N. Y.

THERMOSTATIC METALS — See Bi-Metal, Thermostatic

THERMOSTATS, Heater

B & B Superstats—See Bishop & Babcock Mfg Co
Barber-Colman Co 1300 Rock St Rockford Ill
Bishop & Babcock Mfg Co 4901 Hamilton Ave N E Cleveland 14 Ohio "B & B Superstats"
Dole Valve Co 6201 Oakton St Morton Grove Ill
Fulton Syphon Div Robertshaw-Fulton Controls Co W Cumberland Ave Knoxville 1 Tenn "Sylphon Autostat"
Harrison Radiator Div., General Motors Corp., Washburn & Walnut Sts., Lockport, N. Y.
K-S—See King-Seeley Corp
King-Seeley Corp 315 S First St Ann Arbor Mich "K-S"
Klixon—See Spencer Div Metals & Controls Corp
Spencer Div Metals & Controls Corp 34 Forest St Attleboro Mass "Klixon" (To order)
Sylphon Autostat—See Fulton Sylphon Div., Robertshaw-Fulton Controls Co.
United Electric Controls Co., 85 School St., Watertown 72, Mass.
Vapor Heating Corp 80 E Jackson Blvd Chicago 4 Ill

THERMOSTATS, Water Circulating

(See also Shutters, Radiator)

Bishop & Babcock Mfg Co 4901 Hamilton Ave N E Cleveland 14 Ohio
Divert-A-Flo—See Hawk Tool & Engrg. Co.
Dole Valve Co 6201 Oakton St Morton Grove Ill
Flexonics Corp Automotive Div 2021 S Latham St Memphis Tenn
Fulton Sylphon Div., Robertshaw-Fulton Controls Co., W. Cumberland Ave., Knoxville 1, Tenn. "Sylphon," "Sylphon Autostat."
Harrison Radiator Div General Motors Corp Washburn & Walnut Sts Lockport N Y
Hawk Tool & Engrg Co 20 W Washington St Clarkston Mich "Divert-A-Flow" (Sole distributors Nason Co 20 W Washington St Clarkston Mich)
Standard-Thomson Corp Clifford Mfg Co Div 152 Grove St Waltham 54 Mass
Sylphon—See Fulton Sylphon Div Robertshaw-Fulton Controls Co
Sylphon Autostat—See Fulton Sylphon Div., Robertshaw-Fulton Controls Co.
United Electric Control Co 85 School St Watertown 72 Mass

THIRD AXLE UNITS—See Axle Units, Third, for Trucks

THREAD CUTTING MACHINES—See Machines, Thread Cutting

THREAD GRINDING MACHINES—See Machines, Thread Grinding

THREAD INSERTS — See Inserts, Screw Thread

THREAD MILLING MACHINES — See Machines, Milling (Thread)

THREAD ROLLING DIES—See Dies, Thread Rolling

THREAD ROLLING HEADS—See Heads, Thread Rolling

THREADING UNITS, TRANSFER MACHINE —See Units, Threading (Transfer Machine)

TIE RODS—See Connections, Steering

TIGHTENERS, Chain (Industrial)

Link-Belt Co Dept 59-AIPG Prudential Plaza Chicago 1 Ill

TIMING BELTS—See Belts, Timing

TIMING CHAINS—See Chains, Timing (Auto)

TIMING INSTRUMENTS—See Instruments, Timing

TINNING COMPOUNDS — See Compounds, Tinning

TIN PLATING MACHINES FOR PISTONS—See Machines, Plating

TIP-OVER SWITCHES—See Switches, Ignition (Cut-off)

TIRE CORD—See Cord, Tire

TIRE GAGES—See Gages, Chuck; also Gages, Tire Pressure

TIRE INFLATORS—See Compressors, Air; Gages, Chuck (Tire Inflating)

TIRE LOCKS — See Locks, Tire and Wheel (Spare and Running)

TIRE and TUBE CURING PRESSES—See Presses, Tire and Tube Curing

TIRE VALVES, CAPS AND CORES—See Caps, Tire Valve; also Valves, Tire; also Valve Cores (Tire)

TIRES, Industrial Truck

Firestone Industrial Products Co Noblesville Ind (Semi pneumatic)

TIRES, Pneumatic

Armstrong Rubber Co 475 Elm St West Haven 16 Conn
Armstrong-Norwalk Rubber Corp 20 Glover Ave Norwalk Conn "Armstrong" & "Norwalk"
Brunswick—See B F Goodrich Tire Co
Century—See Mansfield Tire & Rubber Co.
Cooper Tire & Rubber Co., Lima & Western Aves., Findlay, Ohio.
Corduroy Rubber Co., Fuller Ave. & G. T. Tracks, Grand Rapids 1, Mich.
Dayton Rubber Co 2342 Riverview Ave Dayton Ohio "Dayton" "Thorobred"
Denman Tire & Rubber Co P O Box 951 Warren Ohio
Dunlop Tire & Rubber Corp., Sheridan Dr & River Rd Buffalo 5 N Y
Firestone Tire & Rubber Co 1200 Firestone Parkway Akron Ohio
Fisk Tire Co Div of U S Rubber Co 1230 Ave of the Americas New York 20 N Y
Gates Rubber Co 999 S Broadway, Denver 17 Colo "Gates Vulco"
General Tire & Rubber Co., Englewood & Holmes Ave., Akron, Ohio.
Gillette—See United States Rubber Co.
Goodrich Tire Co B F 500 S Main St Akron 18 Ohio "Brunswick" "B F Goodrich" "Hood" "Miller"
Goodyear Tire & Rubber Co., E. Market St., Akron 16, Ohio.
Hood—See B F Goodrich Tire Co
Inland Rubber Corp 515 Newman St Mansfield Ohio
Kelly-Springfield Tire Co P O Box 300 Cumberland Md
Laher Tire & Rubber Co of Calif 26th & Magnolia Sts Oakland Calif "Mustang"
Lee Rubber & Tire Corp., Conshohocken, Pa
McCreary Tire & Rubber Co., Box 700, Indiana, Pa.
Mansfield Tire & Rubber Co 515 Newman St **Mansfield Ohio "Century" "Mansfield"**
Miller—See B F Goodrich Tire Co
Mohawk Rubber Co., 1235 Second St., Akron 5, Ohio.
Mustang—See Laher Tire & Rubber Co of Calif
Norwalk—See Armstrong-Norwalk Corp
Pennsylvania Tire Co P O Box 377 Mansfield Ohio
Pure Oil Co 35 E Wacker Drive Chicago 1 Ill
Schenuit Rubber Co Frank S Railroad & Union Aves Baltimore 11 Md
Seiberling Rubber Co., Akron, Ohio.
Thorobred—See Dayton Rubber Mfg. Co.
U. S. Royal—See United States Rubber Co.
United States Rubber Co., Rockefeller Center, 1230 Ave. of the Americas, New York 20, N. Y. "Gillette." "U. S. Royal."

TIRES, Solid

Firestone Tire & Rubber Co 1200 Firestone Parkway Akron Ohio
Goodrich Tire Co B F 500 S Main St Akron Ohio
Goodyear Tire & Rubber Co., E. Market St., Akron 16, Ohio.
United States Rubber Co., Rockefeller Center, 1230 Sixth Ave., New York, N. Y

TOGGLE CLAMPS—See Clamps, Toggle

TOILETS, Bus and Trailer

Cunningham Son & Co James 33 Litchfield St Rochester 8 N Y (Trailer)
Wickland Mfg. Co., 610 S. Arroyo Parkway, Pasadena 1, Calif. "Wickland-Sierra."

TONGS, Lifting (Automatic, For Material Handling)

Heppenstall Co 4620 Hatfield St Pittsburgh 1 Pa

TOOL BENCHES—See Stands, Portable Tool and Parts

TOOL BOXES—See Boxes, Tool

TOOL CONTROL SYSTEMS—See Units, Machine Tool Control

TOOL HOLDERS—See Holders, Tool

TOOLMAKERS' VISES—See Vises, Toolmakers'

TOOL RACKS—See Racks, Stock, Tire and Tool (Metal)

TOOL STEEL—See Steel, Tool

TOOLS, BENDING (TUBE)—See Benders, Tube

TOOLS, Boring

Abrasive Dressing Tool Co 14528 2nd Blvd Detroit 3 Mich "Red Band" "Di-X" (Diamond)
Bullard Co 286 Canfield Ave Bridgeport 9 Conn
Carboloy—See General Electric Co
Casler—See Oneida Machine Tool Corp
Continental—See Ex-Cell-O Corp
Di-X—See Abrasive Dressing Tool Co
Erickson Tool Co 34350 Solon Rd Solon Ohio
Ex-Cell-O Corp Continental Tool Works Div 1200 Oakman Blvd Detroit 32 Mich "Continental"
Firth Sterling Inc 3113 Forbes Ave Pittsburgh 30 Pa
Gairing Tool Co 21221 Hoover Rd **Detroit 32 Mich**
General Electric Co Metallurgical Products Dept 11777 E Eight Mile Rd Detroit 32 Mich "Carboloy" (Cemented carbide)
Giddings & Lewis Machine Tool Co Davis Div Fond du Lac Wis
Goddard & Goddard Co., 12280 Burt Rd., Detroit 23, Mich.
Heller Tool Co Heller Dr Newcomerstown Ohio (Carbide bits)
Ingersoll Milling Machine Co Rockford Ill
Jarvis Corp Middletown Conn
Kennametal Inc Lloyd Ave Latrobe Pa (Cemented carbide)
McCrosky Tool Corp., S. Main St., Meadville, Pa. "McCrosky Jack-Lock."
Madison Industries Inc P O Box 1137 Providence 1 R I
Metal Carbides Corp 107 E Indianola Ave Youngstown 7 Ohio "Talide"
National Tool Co 11200 Madison Ave Cleveland 2 Ohio
Oneida Machine Tool Corp 2600 E Walnut St Oneida N Y "Casler"
Pipe Machinery Co 29100 Lakeland Bldg Wickliffe Ohio
Production Tool Co. of America, 6474 Le Grand Ave., Detroit 11, Mich.
Red Band—See Abrasive Dressing Tool Co
TCT—See Tungsten-Carbide Tool Co.
Talide—See Metal Carbides Corp
Tantung—See Vascoloy-Ramet Corp
Tungsten-Carbide Tool Co 26250 W 7 Mile Rd Detroit 40 Mich "TCT"
V-R—See Vascoloy-Ramet Corp
Vascoloy-Ramet Corp 800 Market St Waukegan Ill "Tantung" (Cast alloy; "Vascoloy-Ramet" & "V-R" cemented carbide)
Viking Tool Co 1000 Nichols Rd Shelton Conn
W-S—See Wendt-Sonis Co
Wendt-Sonis Co 10th & Collier Sts Hannibal Mo "W-S" (Carbide tipped)
Willey's Carbide Tool Co 1340 W Vernor Highway Detroit 1 Mich

TOOLS, BROACHING—See Broaches

TOOLS, CONNECTING ROD ALIGNING — See Jigs, Connecting Rod Aligning

TOOLS, Crimping

AMP Inc Eisenhower Blvd Harrisburg Pa
Airlox—See Production Devices Inc
Belden Mfg Co 415 S Kilpatrick St Chicago 44 Ill (Hand)
Crescent Co 20 Central Ave Pawtucket R I "Wiry Joe" (Hand)
Hygrade Products Div Standard Motor Products Inc 37-18 Northern Blvd Long Island City 1 N Y (Hand)
Lynn—See Vaco Products Co
Production Devices Inc Davis St Whitehall N Y "Airlox" (Pneumatic)
Rajah Co 35 Verona Ave Newark 4 N J (Terminal and cable connecting hand)

TOOLS, Crimping—continued

Vaco Products Co 317 E Ontario St Chicago 11 Ill "Lynn" (Hand)
Wiry Joe—See Crescent Co

TOOLS, Cutting

Abrasive Dressing Tool Co 14528 2nd Blvd Detroit 3 Mich "Red Band" "Di-X" (Diamond)
Allegheny Ludlum Steel Corp Carmet Div Detroit 20 Mich "Carmet"
Arrow Tool & Reamer Co 711 Stephenson Highway Troy Mich (Carbide tipped)
Barber-Colman Co 1300 Rock St Rockford Ill (Carbide)
Barrett Equipment Co., 2101 Cass Ave., St. Louis 6, Mo. (Carbide lathe cutters, for brake drums.)
Besly-Welles Corp 20 N Wacker Dr Chicago 6 Ill (Carbide tipped)
Brown & Sharpe Mfg Co 235 Promenade St Providence 1 R I
Carboloy—See General Electric Co
Carmet—See Allegheny Ludlum Steel Corp
Chicago-Latrobe 426 W Ontario St Chicago 10 Ill (Bits)
Citco—See Cleveland Industrial Tool Co
Clark Co Robert H 9330 Santa Monica Blvd Beverly Hills Calif
Cleveland Industrial Tool Co Box 84 Chardon Ohio "Citco" (Solid copper diamond)
Cleveland Twist Drill Co 1242 E 49th St Cleveland 14 Ohio "No-Max" (High speed and cobalt)
Continental—See Ex-Cell-O Corp., Continental Tool Works Div.
Cowles Tool Co., 2086 W. 110th St., Cleveland, Ohio.
Crafts Co., Arthur A., 602 Newbury St., Kenmore Square, Boston 15, Mass. (Tungsten carbide; also diamond.)
Crobalt Inc 2800 S State St Ann Arbor Mich (Cast alloy)
Desmond-Stephan Mfg. Co., 317 S. Walnut St., Urbana, Ohio.
Detroit Boring Bar Co., 690 E. Fort St., Detroit 26, Mich.
Diamond Drill Carbon Co 244 Madison Ave New York 16 N Y (Diamond)
Di-X—See Abrasive Dressing Tool Co
Do All Co 254 N Laurel Ave Des Plaines Ill
Dow Mechanical Corp Thompsonville Conn "Du-Bits" (Bits)
Du-Bits—See Dow Mechanical Corp
DuCas Corp 1117 Douglas Ave Providence 4 R I (Carbide)
Ex-Cell-O Corp Continental Tool Works Div 1200 Oakman Blvd Detroit 32 Mich "Continental" (High speed steel and carbide tipped)
Falcon Tool Co P O Box 4605 Detroit 24 Mich
Firth Sterling Inc 211 Forbes Ave Pittsburgh 30 Pa
Ford Mfg Co M A P O Box 628 Davenport Iowa (Carbide)
Gairing Tool Co 21221 Hoover Rd Detroit 31 Mich
General Electric Co Metallurgical Products Dept 11777 E 8 Mile Rd Detroit 32 Mich "Carboloy" (Cemented carbide)
Giddings & Lewis Machine Tool Co Davis Div Fond du Lac Wis
Globe Tools 3384 S Robertson Blvd Los Angeles 34 Calif (Bits)
Handicraft Tools Inc 48-73 Van Dam St Long Island City 1 N Y "X-acto"
Haynes Stellite Co 725 S Lindsay St Kokomo Ind
Heller Tool Co Heller Dr Newcomerstown Ohio (Carbide)
Highland Carbide Tool Co., P. O. Box 72, Irwin, Pa.
Hy-Pro Tool Co 461 Mt Pleasant St New Bedford Mass (Bits)
Illinite—See Illinois Tool Works
Illinois Tool Works 2501 N Keeler Ave Chicago 39 Ill "Illinite" (Bits)
Industrial Diamond Co 2392 Wolcott Ave Ferndale 20 Mich (Diamond)
Ingersoll Milling Machine Co Rockford Ill
Jarvis Corp Middletown Conn (Carbide)
Kendex—See Kennametal Inc
Kennamatic—See Kennametal Inc
Kennametal Inc Lloyd Ave Latrobe Pa "Kendex" "Kennamatic" "Kennametal" (Cemented carbide)
Martindale Electric Co., 1340 Hird Ave., Cleveland 7, Ohio.
Maxwell Industries Inc 493 E Fifth St Ashtabula Ohio
Metal Carbides Corp 107 E Indianola Ave Youngstown 7 Ohio "Talide"
Morse Twist Drill & Machine Co 163 Pleasant St New Bedford Mass
National Tool Co 11200 Madison Ave Cleveland 2 Ohio "National-Cleveland"
National Twist Drill & Tool Co Rochester Mich (Carbide tipped)
Nobur Mfg Co 6860 Farmdale Ave North Hollywood Calif (Deburring)
No-Max—See Cleveland Twist Drill Co
O K Tool Co Milford N H
Reasor Mfg. Co., 13th & Indiana Ave., St. Charles, Ill.
Red Band—See Abrasive Dressing Tool Co
Reitool Corp 4540 W Burnham St Milwaukee 46 Wis
Schrillo Aero Tool Engrg Co 8715 Melrose St Los Angeles 46 Calif
Severance Tool Industries Inc 711 Iowa Rd Saginaw Mich
Shearcut Tool Co 7045 Darby Ave Reseda Calif "Shearcutter"
Spartan Saw Works, Inc., 152 Fisk Ave., Springfield 7, Mass. (Bits.)
Standard Diamond Tool Corp 71 W 47th St N Y 36 N Y (Diamond)
Stanworth Tool Mfg Corp P O Box 31 Lebanon Ind
T.C.T.—See Tungsten Carbide Tool Co
Talide—See Metal Carbides Corp
Tantung—See Vascoloy-Ramet Corp
Truarc—See Waldes Kohinoor Inc
Tungsten Carbide Tool Co 26250 W 7 Mile Rd Detroit 40 Mich "TCT" (Tungsten carbide, Tantalum and Titanium)
Union Twist Drill Co., Monroe St., Athol, Mass. (Carbide.)
V-R—See Vascoloy-Ramet Corp
Vascoloy-Ramet Corp 800 Market St Waukegan Ill "V-R" & "Vascoloy-Ramet" (Cemented tantalum-tungsten carbide; "Tantung" [Co-Cr alloy])
Viking Tool Co 1000 Nichols Rd Shelton Conn
Waldes Kohinoor Inc 47-16 Austel Place Long Island City 1 N Y "Truarc"
W-S—See Wendt-Sonis Co.
Weldon Tool Co 3000 Woodhill Rd Cleveland 4 Ohio (High speed or carbide)
Wendt-Sonis Co 10th & Collier Sts Hannibal Mo "W-S" (Carbide tipped)
Wesson Co 12200 Woodward Heights Blvd Ferndale 20 Mich (Carbide)
Wetmore Reamer Co 420 N 27th St Milwaukee 8 Wis
Whitman & Barnes Div of United Greenfield Corp 40085 Plymouth Rd Plymouth Mich (Carbide tipped)
Willey's Carbide Tool Co., 1340 W. Vernor Highway, Detroit 1, Mich
X-acto—See Handicraft Tools Inc
Zephyr Mfg Co 201 Hindry Ave Inglewood Calif (Bits)

TOOLS, HONING—See Hones, Cylinder; also Hones, Small Bore

TOOLS, Lathe, Planer, Slotter and Shaper

(See also Holders, Tool)

Armstrong Bros Tool Co 5200 W Armstrong Ave Chicago 46 Ill
Bullard Co 286 Canfield Ave Bridgeport 9 Conn (Lathe)
Carboloy—See General Electric Co
Ex-Cell-O Corp., Continental Tool Works Div., 1200 Oakman Blvd., Detroit 32, Mich. (Cemented carbide.)
General Electric Co Metallurgical Products Dept 11777 E 8 Mile Rd Detroit 32 Mich "Carboloy" (Cemented tungsten, tantalum and titanium carbide)
Kennametal Inc Lloyd Ave Latrobe Pa (Cemented carbide lathe and planer)
O K Tool Co Milford N H
South Bend Lathe Works 425 E Madison St South Bend 22 Ind (Lathe)
Viking Tool Co 1000 Nichols Rd Shelton Conn

TOOLS, Marking (For metal)

(For writing or marking on steel)

Acromark Co 9 Morrell St Elizabeth 4 N J (Electric)
Blackhawk—See New Britain Machine Co
Ideal Industries, Inc., 1014 Park Ave., Sycamore, Ill. (Electric.)
Lectroetch Co 14925 Elderwood Ave E Cleveland 12 Ohio (Electrolytic)
Martindale Electric Co 1340 Hird Ave Cleveland 7 Ohio (Electric; also demagnetizers)
New Britain Machine Hand Tools Div South St New Britian Conn "Blackhawk" & "New Britain" (Electric)

TOOLS, METAL FINISHING (PORTABLE ELECTRIC)—See Machines, Flexible Shaft

TOOLS, Nut, Screw or Bolt Holding

Aircraft Specialities Inc Howard & Higley Sts Lapeer Mich "Mechanical Fingers" "Startzit."
Mechanical Fingers—See Aircraft Specialties, Inc.
Owatonna Tool Co 342 N Cedar St Owatonna Minn (Magnetic)
Startzit—See Aircraft Specialities Inc

TOOLS, Piston Ring Compressing

(To facilitate the entering of piston and ring into cylinder)

A.S.C.—See Aircraft Specialties, Inc.
Aircraft Specialties, Inc., Howard & Higley Sts., Lapeer, Mich "A.S.C."
Blackhawk—See New Britain Machine Co
Blue Point—See Snap-On Tools Corp.
Burd Piston Ring Co Box 567 Eau Claire Wis
Cornwell Quality Tools Co., Mogadore, Ohio.
Duro Metal Products Co., 2649 N. Kildare Ave., Chicago 39, Ill. "Duro Chrome."
Grayson Tool Co., 1412 W. Second St., Hastings, Neb.
Hastings Mfg Co N Hanover St Hastings Mich
Herbrand Div Bingham-Herbrand Corp Lake & Stone Sts Fremont Ohio
Kastar Inc 200 Lincoln Ave N Y 54 N Y
Kennedy Service Tools Co 788 Evans Ave Akron 5 Ohio
Kent-Moore Organization Inc 28635 Mound Rd Warren Mich
Lisle Corp 809 E Main St Clarinda, Iowa
National Machine & Tool Co 4077 Page Ave Jackson Mich
New Britain Machine Co Hand Tools Div South St New Britain Conn "Blackhawk" & "New Britain"
Owatonna Tool Co., 342 N Cedar St., Owatonna, Minn.
P & C Tool Co Box 5926 Milwaukie Ore
Pedrick—See Wilkening Mfg. Co.
Proto Tools Co 2209 Santa Fe Ave Los Angeles Calif
Rimac—See Rinck-McIlwaine, Inc.
Rinck-McIlwaine, Inc., 16 Hudson St., New York 13, N. Y. "Rimac"
Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis. "Blue Point."
Wilde Drop Forge & Tool Co., 2936 Fairmount Ave Kansas City, Mo.
Wilkening Mfg Co 2000 S 71st St Philadelphia 42 Pa "Pedrick"
Zim Mfg. Co., 3037 Carroll Ave., Chicago, Ill

TOOLS, PLANER—See Tools, Lathe, Planer, Slotter and Shaper

TOOLS, Pneumatic

Airetool Mfg Co Springfield Ohio
Air-Speed Tool Co 1502 W Slauson Ave Los Angeles 47 Calif (Saw and file)
Aro Equipment Corp., Bryan, Ohio.
Bantam-Bully—See Supreme Pneumatic & Mfg Inc
Big Bully—See Supreme Pneumatic & Mfg Inc
Buckeye Tools Corp Dayton 1 Ohio
CP—See Chicago Pneumatic Tool Co.
Chicago Pneumatic Tool Co., 6 E. 44th St., New York, N. Y. "CP." (Also pneudraulic pump for use with shop tools.)
Cleco Div of Reed Roller Bit Co 5125 Clinton Drive Houston 1 Tex (Hammers, drills, etc.)
Gardner-Denver Co S Front St Quincy Ill
Ingersoll-Rand Co 11 Broadway New York 4 N Y
K & W Products Inc 8319 Allport Ave Whittier Calif (Peening hammers)
Master Power Corp Krick Rd Bedford Ohio
Quality Tools Corp Railroad St New Wilmington Pa (Chisels)
Rotor Tool Co 23600 Lakeland Ave Cleveland 32 Ohio
Salsbury Corp., 1161 E. Florence Ave., Los Angeles 1, Calif. "Salsbury Airgun."
Superior Pneumatic & Mfg Inc 4758 Warner Rd Cleveland 25 Ohio "Bantam Bully" "Big Bully" "Superior" (Hammers)
Thor Power Tool Co 175 State St Aurora Ill

TOOLS, Reciprocating (Flexible Shaft)

Engis Equipment Hyprez Div Co 431 S Dearborn St Chicago 5 Ill "Di-Profiler"

TOOLS, SOLDERING—See Irons, Soldering

TOOLS, Spot Facing

Bicknell-Thomas Co Box 431 Greenfield Mass
Ex-Cell-O Corp., Continental Tool Works Div., 1200 Oakman Blvd., Detroit 32, Mich
Haynes Stellite Co 725 S Lindsay St Kokomo Ind

Mummert-Dixon Co., Philadelphia & Gay Sts., Hanover, Pa.
Production Tool Co. of America, 6474 Le Grand Ave., Detroit 11, Mich.
Stanworth Tool Mfg Corp P O Box 31 Lebanon Ind
Staples Tool Co., 2851 Massachusetts Ave. Cincinnati 25, Ohio. (Carboloy tipped.)
W-S—See Wendt-Sonis Co.
Wendt-Sonis Co 10th & Collier Sts Hannibal Mo "W-S"
Willey's Carbide Tool Co., 1340 W. Vernor Highway, Detroit 1, Mich.

TOOLS, Spring Coiling

Empire—See Greene, Tweed & Co.
Greene, Tweed & Co., North Wales, Pa "Empire."
Martindale Electric Co., 1340 Hird Ave. Cleveland 7, Ohio.
Sleeper & Hartley Inc 335 Chandler St Worcester 2 Mass
Willey's Carbide Tool Co., 1340 W. Vernor Highway, Detroit 1, Mich.

TOOLS, Spring Testing

Accurate Re-Nu Clutch Div of MarPro Inc 168 N Michigan Ave Chicago 1 Ill (Valve)
Allen Electric & Equipment Co., 2101 N. Pitcher St., Kalamazoo 13F, Mich. (For starter and generator brushes.)
Cedar Rapids Engineering Co 902 17th St NE Cedar Rapids Iowa "Kwik-Way"
Electro Products Co 445 E 189th St N Y 58 N Y
Kwik-Way—See Cedar Rapids Engineering Co.
Rimac—See Rinck-Mcllwaine, Inc.
Rinck-Mcllwaine, Inc., 16 Hudson St., New York 13 N Y "Rimac." (For valve and clutch springs.)
Sturtevant Co P A Addison Ill (For valve ard clutch springs)

TOOLS, Thread Cutting

Barber-Colman Co., 1300 Rock St., Rockford, Ill
Pratt & Whitney Co Charter Oak Blvd West Hartford 1 Conn
Rivett Inc 20 Riverview Rd Brighton Boston Mass
Threadwell Tap & Die Co., Greenfield, Mass.
Toledo Pipe Threading Machine Co., 1445 Summit Ave., Toledo 4, Ohio.

TOOLS, Transmission

Barrett Equipment Co 2101 Cass Ave St Louis 6 Mo
Blackhawk—See New Britain Machine Co
Bonney Forge & Tool Works 2400 Rockhill Rd N Alliance Ohio
Cornwell Quality Tools Co Mogadore Ohio
Duro Metal Products Co 2649 N Kildare Ave Chicago 39 Ill
Houdaille Industries Inc Manzel Div 315 Babcock St Buffalo 10 N Y "Manzel"
Kent-Moore Organization Inc 28635 Mound Rd Warren Mich "Rate-Maker"
Manzel—See Houdaille Industries Inc
Miller Mfg Co 17640 Grand River Ave Detroit 27 Mich
National Machine Works Inc 1800 S Broadway Oklahoma City 9 Okla (Bushing pullers and drivers)
New Britain Machine Co Hand Tools Div South St New Britain Conn "Blackhawk" & "New Britain"
Proto Tools Co 2209 Sante Fe Ave Los Angeles 54 Calif
Rate-Maker—See Kent-Moore Organization Inc
Republic Gear Co 2197 Beaufait Ave Detroit 7 Mich
Snap-On Tools Corp 8046 28th Ave Kenosha Wis
Truarc—See Waldes Kohinoor Inc
Waldes Kohinoor Inc 47-16 Austel Place Long Island City 1 N Y "Truarc" (Retaining ring pliers)
Wilson Inc K R Arcade N Y

TOOLS, Tube Flaring

(See also Machines, Tube Flaring)
Acorn Mfg Co 33rd & Reed Sts Erie Pa "Amco"
Amco—See Acorn Mfg Co
Blackhawk—See New Britain Machine Co
Cornwell Quality Tools Co Mogadore Ohio
Dorman Products Inc 1004 Sycamore St Cincinnati 2 Ohio
Duro Metal Products Co 2649 N Kildare Ave Chicago 39 Ill
Edelmann & Co E 2332 Logan Blvd Chicago 47 Ill "Erco"
Erco—See E Edelmann & Co
Everflare—See Everhot Products Co
Everhot Products Co 2001 W Carroll Ave Chicago 12 Ill "Flaremaster" & "Everflare"
Exello Accessories Mfrs Inc 81 Madison Ave Hempstead N Y
Fairmount Tool & Forging Inc 10611 Quincy Ave Cleveland 6 Ohio
Flaremaster—See Everhot Products Co
G M Co Mfg Inc 13-08 43rd Ave Long Island City L I N Y
Hi-Duty—See Imperial Brass Mfg Co
Imperial Brass Mfg Co 6300 W Howard St Chicago 31 Ill "Hi-Duty" "Imperial" & "Rol-Air"
J & J Machine Co., 15420 St. Clair Ave., Cleveland 10, Ohio. "Jet-Vac." (Sole distributors, Beal Bros., Inc., Box 86, Cleveland, Ohio.)
Jet-Vac—See J & J Machine Co.
Kent-Moore Organization Inc 28635 Mound Rd Warren Mich
Leader Screw & Mfg Co 3805 E 91st St Cleveland 5 Ohio
National Machine & Tool Co., 4077 Page Ave., Jackson, Mich.
New Britain Machine Co Hand Tools Div South St New Britain Conn "Blackhawk" & "New Britain"
OTC—See Owatonna Tool Co.
Owatonna Tool Co., 342 N. Cedar St., Owatonna, Minn. "OTC."
Papco—See Penn Brass & Copper Co
Parker Fittings & Hose Div Parker-Hannifin Corp 17325 Euclid Ave Cleveland 12 Ohio
Penn Brass & Copper Co 3837 W 20th St Erie Pa "Papco"
Preferred Electric & Wire Co Bush Terminal Bldg No 8 Brooklyn 32 N Y
Quality Tools Corp Railroad St New Wilmington Pa
Rimac—See Rinck-Mcllwaine Inc
Rinck-Mcllwaine Inc 16 Hudson St N Y 13 N Y "Rimac"
Rol-Air—See Imperial Brass Mfg Co
Stevens Walden, Inc., 475 Shrewsbury St., Worcester, Mass.
Weatherhead Co Fort Wayne Div 128 W Washington Blvd Fort Wayne Ind
Williams & Co J H 400 Vulcan St Buffalo 7 N Y
Zoerman-Clark Mfg Co 624 N Mechanic St Jackson Mich

TOOLS, Turret Lathe

(Including cutters, counterbores, spotfacers and holders for automatic and other turret lathes)
Bardons & Oliver, Inc., 1133 W. Ninth St., Cleveland 13 Ohio
Gairing Tool Co 21221 Hoover Rd Detroit 32 Mich
Warner & Swasey Co., 5701 Carnegie Ave., Cleveland 3, Ohio.

TOOLS, VALVE CLEARANCE GAGING—See Gages, Valve Clearance

TOOLS, WHEEL TRUEING—See Dressers, Grinding Wheel

TOOLS, Wire Stripping

Burndy Corp Omaton Div Norwalk Conn "Hytool"
Crescent Co 20 Central Ave Pawtucket R I "Wiry Joe"
E-Z—See Ideal Industries Inc
Easy-Strip—See Holub Industries Inc
Hi-Speed—See Holub Industries Inc
Holub Industries Inc 413 DeKalb Ave Sycamore Ill "Hi-Speed" and "Easy-Strip"
Hunter Tools 9851 Alburtis Ave Santa Fe Springs Calif
Hytool—See Burndy Corp Omaton Div
Ideal Industries Inc 1014 Park Ave Sycamore Ill "E-Z," "Stripmaster"
Martindale Electric Co., 1340 Hird Ave., Cleveland 7, Ohio.
Nemco-Speedex Mfg Co Div of GC-Textron Inc 418 S Wyman St Rockford Ill "Speedex"
Proto Tools Co 2209 Santa Fe Ave Los Angeles 54 Calif
Speedex—See Nemco-Speedex Mfg Co
Stripmaster—See Ideal Industries Inc
Wiry Joe—See Crescent Co.

TOP FIXTURES—See Regulators, Top

TOP MATERIALS—See Fabric, Coated Cloth (For Seat Covers, Tops and Upholstery)

TORCHES, Welding, Cutting and Brazing

(For complete oxy-acetylene outfits—See Welders and Equipment [Oxy-acetylene])
Airco—See Air Reduction Sales Co.
Air Reduction Sales Co Socony-Mobil Bldg 150E 42nd St New York 17 N Y "Airco"
American Gas Furnace Co., Lafayette, Spring & Elizabeth Sts., Elizabeth, N. J. (Brazing.)
Burdett Oxygen Co. of Cleveland, Inc., 3300 Lakeside Ave., Cleveland 14, Ohio. "Burdox."
Burdox—See Burdett Oxygen Co. of Cleveland, Inc.
Cutmaster—See Modern Engrg Co
Dockson Co C H 3839 Wabash Ave Detroit 8 Mich
Gasweld—See General Dynamics Corp
General Dynamics Corp Liquid Carbonic Div 135 S La Salle St Chicago 5 Ill "Gasweld"
Harris Calorific Co 5501 Cass Ave N W Cleveland 2 Ohio
Heliarc—See Linde Co
Hoke Inc 136 S Dean St Englewood N J "Hoke-Phoenix" (Brazing)
Hoke-Phoenix—See Hoke Inc
Huber Industries Inc 4960 Hillside Ave Cincinnati 33 Ohio (Acetylene brazing)
Jiffy—See Modern Engrg Co
K-G Equipment Co 1744 Lehigh St Allentown Pa (Oxy-acetylene)
Lee Co K O Congress at First Ave S E Aberdeen S D
Lenk Mfg Co Franklin Ky **(Gasoline)**
Linde Co 30 E 42nd St New York 17 N Y "Oxweld" "Purox"; "Heliarc" (Electric)
Marquette Mfg Co 307 E Hennepin Ave Minneapolis 14 Minn
Mid-States Welder Mfg Co 6025 S Ashland Ave Chicago 36 Ill (Electric arc welding)
Modern Engrg Co 3411 Pine Blvd St Louis 3 Mo "Jiffy" (Brazing; "Cutmaster" welding)
National Cylinder Gas Div of Chemetron Corp 840 N Michigan Ave Chicago 11 Ill "Torchweld" "Sureweld"
National Welding Equipment Co 218 Fremont St San Francisco 5 Calif
North American Mfg Co 4455 E 71st St Cleveland 5 Ohio (Welding)
Oxweld—See Linde Co
Pier Equipment Mfg Co Milton & Cross Sts Benton Harbor Mich
Purox—See Linde Co
Selas Corp of America Dresher Pa (Brazing)
Sight Feed Generator Co West Alexandria Ohio (Acetylene brazing)
Smith Welding Equipment Corp 2633 Fourth St S E Minneapolis 14 Minn
Sureweld—See National Cylinder Gas Div
Tolman Mfg Co 19 W Third St (South Boston) Boston 27 Mass
Torchweld—See National Cylinder Gas Div
Victor Equipment Co 844 Folsom St San Francisco 7 Calif

TORQUE CONVERTER COOLERS — See Coolers, Torque Converter

TORQUE CONVERTER FLUID COUPLINGS —See Couplings, Fluid, Torque Converter (Truck)

TORQUE CONVERTER PARTS—See Parts, Torque Converter

TORQUE CONVERTERS, Hydraulic—See Converters, Torque (Hydraulic)

TORQUE GAGES—See Gages, Torque

TORQUE WRENCHES—See Wrenches, Torque

TORQUE WRENCH TESTER—See Testers, Torque (Wrench)

TORSION BAR SPRINGS—See Springs, Torsion Bar

TOTE BOXES—See Boxes, Tote; also Boxes, Tiering

TRACKS, OVERHEAD CARRYING—See Systems, Overhead Carrying

TRACTION SANDERS—See Sanders, Traction (Automobile, Truck and Bus)

TRACTORS, Agricultural

Agricat—See Joost Mfg Co
Allis-Chalmers Mfg. Co., Milwaukee 1, Wis.
American Coleman Co Littleton Colo (For cane and rice fields)

TRACTORS, Agricultural—continued

Boiens Products Div Food Machinery & Chemical Corp 215 Park St Port Washington Wis
Case Co., J. I., 700 State St., Racine, Wis.
Caterpillar Tractor Co Peoria Ill (Diesel)
Deere & Co., 1325 Third Ave., Moline, Ill "John Deere."
Eshelman Co Cheston L 109 Light St Baltimore 2 Md
Falls Products Inc Bantam Tractor Div Genoa Ill
Farmall—See International Harvester Co.
Ferguson—See Massey Ferguson Inc
Ford Motor Co Tractor & Implement Div 2500 E Maple Rd Birmingham Mich
Great Lakes Tractor Co Mill St Rock Creek Ohio (Garden)
International Harvester Co., Harvester Bldg., 180 N. Michigan Ave., Chicago 1, Ill. "McCormick," "Farmall."
John Deere—See Deere & Co.
Joost Mfg Co 742 Bancroft Way Berkeley 10 Calif "Agricat"
McCormick—See International Harvester Co.
Massey-Ferguson Inc 12601 Southfield Rd Detroit Mich "Ferguson" "Massey-Harris" "Work Bull"
Massey-Harris—See Massey-Ferguson Inc
Mead Specialties Co 4114 N Knox Ave Chicago 41 Ill "Mead Speedcat"
Merry Mfg Co PO Box 698 Edmonds Wash (Garden)
Minneapolis-Moline Co Tractor Div Hopkins Minn
Oliver Corp 400 W Madison St Chicago 6 Ill (Gasoline Diesel and LP-Gas)
Peppy-Pal—See Shaw Mfg Co
Shaw Mfg Co Front & Center Sts Galesburg Kans "Peppy-Pal" "Shaw Du-All" (Garden and small farm)
Sheppard Co R H 101 Philadelphia St Hanover Pa (Diesel)
Tiger Tractor Corp East & Moselle Sts Keyser W Va (Garden)
Wagner Tractor Inc 8027 N E Killingsworth St Portland 20 Ore
Work Bull—See Massey-Ferguson Inc
Worthington Mower Co N 2nd St Stroudsburg Pa (Gang mower)

TRACTORS, Industrial (Diesel)

Allis-Chalmers Mfg. Co., Milwaukee 1, Wis.
Deere & Co 1325 Third Ave Moline Ill
Hensel Green & Co 9 S Clinton St Chicago 6 Ill "Unitow"
International Harvester Co., Harvester Bldg., 180 N. Michigan Ave., Chicago 1, Ill.
Oliver Corp 400 W Madison St Chicago 6 Ill
Unitow—See Hensel Green & Co

TRACTORS, Industrial (Electric)

Automatic Transportation Co Div Yale & Towne Mfg Co 101 W 87th St Chicago 20 Ill
Barrett-Cravens Co 630 Dundee Rd Northbrook Ill
Electric Pony Express Co 1753 Blake Ave Los Angeles 31 Calif "Pony Express"
Elwell-Parker Electric Co 4205 St Clair Ave Cleveland 3 Ohio (Also gas-electric)
Hitco—See Howell Industrial Truck Co
Howell Industrial Truck Co 1083 Erie Cliff St Cleveland 7 Ohio "Hitco"
Jacktractor — See Lewis-Shepard Products Inc
Lewis-Shepard Products Inc 1050 Walnut St Watertown Mass "Jacktractor"
Mercury Mfg Co 4700 W Division St Chicago 51 Ill
Moto-Truc Co 1953 E 59th St Cleveland 3 Ohio
Pony Express—See Electric Pony Express Co
Yale & Towne Mfg Co Yale Materials Handling Div 11000 Roosevelt Blvd Philadelphia 15 Pa

TRACTORS, Industrial (Gasoline)

Case Co., J. I., 700 State St., Racine, Wis.
Clark Equipment Co Industrial Truck Div Lafayette & 24th Sts Battle Creek 85 Mich "Clarkat" "Clarkette" "Clarktor"
Deere & Co 1325 Third Ave Moline Ill
Elwell-Parker Electric Co 4205 St Clair Ave Cleveland 3 Ohio (Also gas-electric)
Erickson Power Lift Trucks Inc St Anthony Blvd & University Ave N E Minneapolis 18 Minn
Ford Motor Co Tractor & Implement Div 2500 E Maple Rd Birmingham Mich
"HH" Mfrs 2224 Cerritos Ave Long Beach 6 Calif
Hensel Green & Co 9 S Clinton St Chicago 6 Ill "Unitow"
Hitco—See Howell Industrial Truck Co
Howell Industrial Truck Co 1083 Erie Cliff St Cleveland 7 Ohio "Hitco"
International Harvester Co., Harvester Bldg., 180 N. Michigan Ave., Chicago 1, Ill.
Mercury Mfg Co 4700 W Division St Chicago 51 Ill
Oliver Corp 400 W Madison St Chicago 6 Ill
Towmotor Corp., 1226 E. 152nd St., Cleveland 10, Ohio.
Unitow—See Hensel Green & Co
Yale & Towne Mfg Co Yale Materials Handling Div 11000 Roosevelt Blvd Philadelphia 15 Pa

TRACTORS, Industrial (LP-Gas)

Oliver Corp 400 W Madison St Chicago 6 Ill

TRAFFIC SIGNALS—See Signals, Direction Indicating (Auto)

TRAILER PARTS—See Axle Suspension Units, for Trailers; Axles, Trailer; Brakes, Trailer; Connectors, Electrical Circuit (Trailer); Controls, Brake (Trailer); Conveyors, Truck and Trailer (Floor Type); Couplers, Trailer; Frames, Trailer; Gears, Landing (Trailer); Gears, Running (Trailer); Locks, Trailer; Lubricators for Autos, Trucks, Trailers and Buses (Central System); Tanks, Trailer and Tank Body; Ventilators, Trailer; Wheels, Trailer; Windows, Metal Sash (Bus, Cab and Trailer)

TRAILERS, Commercial, Low-Bed, Off-Highway, Utility, Etc.

ABC—See Aluminum Body Corp
Ace Trailer & Equipment Co Div of Reliable Automotive Co H & San Joaquin Sts Fresno Cal (6-wheel, 4-wheel and semi)
Adams Engrg Co 31711 Solon Rd Solon Ohio (Pole and cable reel)
Aerobilt Bodies Inc Athens N Y (Aluminum)
Aluminum Body Corp 1600 W Washington Blvd Montebello Calif "ABC" (Aluminum)
American Body & Trailer, Inc., P. O. Box 1150, Oklahoma City 1, Okla. (Semi.)
American Machine Works 1027 W Broadway Spokane Wash (Logging)
American Trailer & Mfg Co 12222 S Woodruff Ave Downey Calif
Andrews Industries Inc 7901 Alabama Ave St Louis 66 Mo "Andrews" (Aluminum or steel dry freight van open top and refrigerated; "Dockmaster" aluminum or steel city delivery livestock and grain)
Anthony Co Streator Ill "Anthony Teleramic" (Dump and frameless dump)
Athey Products Corp 5631 W 65th St Chicago 38 Ill (Earth moving and highway construction)
Baker Equipment Engineering Co., Summit & Norfolk Sts., Richmond 11, Va. (Lumber, log, pole and semi.)
Baker Trailer & Body Co., 700 N. 20th St., St. Louis 3, Mo.
Bartlett Trailer Corp., 3080 Archer Ave., Chicago 8, Ill.
Beall Pipe & Tank Corp 12005 N Burgard St Portland 3 Ore (Aluminum and steel, logging and machinery)
Bedell Trailer Co 1506 S Flores St San Antonio 4 Tex
Birmingham Mfg Co 14 S 55th St Birmingham Ala (Low bed machinery)
Black Diamond Trailer Co., Euclid Ave., Bristol, Va.
Brown—See Clark Equipment Co
Brown Truck & Trailer Mfg Co P O Box 1281 Morris Field Charlotte 1 N C (Custom built)
Brunswick Body Wks U S Route 1 New Brunswick N J (Platform)
C & C Trailer & Body Co 300 San Leandro Blvd San Leandro Calif
Carlisle Machine Works Box 8 Longview Tex (Dump stock and pick-up)
Cemco Industries Inc Galion Ohio (Bulk cement)
Clark Co B M Union Me (Van rack and low bed custom built)
Clark Equipment Co Brown Trailer Div Michigan City Ind "Brown" (Aluminum platform grain and van)
Clement-Braswell Inc 319 Louisiana Bank Bldg Shreveport La (Dump)
Converto Mfg Co Third & Green Sts Cambridge City Ind (Semi and dump)
Cook Bros Equipment Co 3334 San Fernando Rd Los Angeles 65 Calif "Stabilift" (End and bottom dump)
Copco Trailers Div of Copco Steel & Engrg Co 23500 Sherwood Rd Detroit 34 Mich "Copco" "Edwards" (Steel and aluminum van flat refrigerated and dump)
Cox & Sons Leon O Grifton N C (Farm, boat and utility)
Delphi Body Works 311 S Washington St Delphi Ind (Hot line tool; also pole)
Detroit Trailer Co 481 Beaufait St Detroit 7 Mich
Dockmaster—See Andrews Industries Inc
Dorsey Trailers Inc Elba Ala (Van stake platform pole machinery etc)
Eagle—See Utility Tool & Body Co
Easton Car & Construction Co Liberty & Holly Sts Easton Pa (Off-highway for mines quarries and earth moving)
Edwards—See Copco Trailers Div
Edwards Equip Co 4312 Main St Yakima Wash (Straddle)
Eidal Mfg Co 250 Woodward Rd S E Albuquerque New Mexico (Semi and full heavy duty off-highway logging mining oil field freight and special purpose)
Eight Point Trailer Co 6100 E Washington Blvd Los Angeles 22 Calif (Special)
Elder Trailer & Body Inc 4830 Race St Denver 16 Colo (Stock and utility to order)
Eshelman Co Cheston L 109 Light St Baltimore 2 Md (Two-wheel)
Evans Mfg Co John 3 Miles South on Hwy 15A Sumter S C (Flat log low-bed dump and special pulpwood)
F.A.B. Mfg. Co., 1249 67th St., Oakland 8, Cal. "Fabco." (Full, semi, log and machinery)
Fabco—See F.A.B. Mfg. Co.
Farrell Mfg Co 804 E Cass St Joliet Ill (Tank)
Fayette Mfg Co Haulette Div Morenci Mich "Haulette" (Low bed for construction equipment and farm tractors)
Feigelson Co Alex 500 S Fourth St Beaumont Tex (Oilfield logging low bed etc)
Fontaine Truck Equipment Co 1232 N 37th Place Birmingham Ala (Flat dump and machinery)
Freightliner Corp 5400 N Basin Ave Portland Ore
Fruehauf-Carter Div Fruehauf Trailer Co 2932 Winchester Pike Memphis Tenn
Fruehauf Trailer Co., 10940 Harper Ave., Detroit 32, Mich
Galion Allsteel Body Co 605 S Market St Galion Ohio (Dump)
Gerstenslager Co Wooster Ohio
Gindy Mfg Corp Boot Rd & Chestnut St Downingtown Pa
Gledhill Road Machinery Co S State Rd Galion O (Implement)
Gramm Trailer Corp 425 E O'Connor Ave Lima Ohio
Great Dane Trailers Inc P O Box 1159 Savannah Ga (Aluminum dry cargo and refrigerated; flat-platform and petroleum transport)
Hanson Clutch & Machinery Co Wall & Miami Sts Tiffin 15 Ohio (Low platform)
Haulette—See Fayette Mfg Co
Heil Co 3000 W Montana St Milwaukee 1 Wis (Steel tank)
Heil Co TEC Div 1285 W 70th St Cleveland 2 Ohio "Hy-Tec" "Hy-Spill" (Dump); "TEC" pole and low-bed machinery)
Highway Trailer Co 405 E Fulton St Edgerton Wis (Pipe pole cable reel tank van oil field livestock grain etc)
Hobbs Trailers Div of Fruehauf Trailer Co 609 N Main St Fort Worth 1 Tex (Pole dump logging machinery cattle grain oil field pipe and refrigerated)
Humes Truck & Trailer Mfg. Co., 907 Franklin Ave., Steubenville, Ohio. (Semi, tandem and four wheel.)
Hy-Spill—See Heil Co TEC Div
Hy-Tec—See Heil Co TEC Div
Hyster Co Martin Trailer Div 816 N East St Kewanee Ill "Martin" (Heavy duty)
Kelly Ryan Equipment Co Blair Nebr (Utility)
Kentucky Mfg Co 2601 S Third St Louisville 8 Ky
Keystone Trailer & Equipment Co., 1501 Guinotte Ave., Kansas City 20, Mo.
Kingham Trailer Co., 15th & Hill Sts., Louisville 10 Ky
La Crosse Trailer Corp 418 Gould St La Crosse Wis (Also machinery)
Lamicooler—See Strick Trailers Div of Fruehauf Trailer Co
Langlois Bros 717 S San Pedro St Los Angeles 14 Calif
Loadcraft — See Spencer-Safford Loadcraft Inc
Loadmaster—See Miller & Smith Mfg Co
Lodestar Corp 907 S Main St Niles Ohio (Dump)
Lufkin Foundry and Machine Co., Lufkin, Tex. (Van, platform, float, pole, low boy, etc.)
Lyncoach & Truck Co 443 Chestnut St Oneonta N Y (Medical dental business display cargo etc)
McCabe-Powers Body Co 5900 N Broadway St Louis 15 Mo "Powers" (Hydraulic dump; "Powers - American" pole and utility)

McKay Mfg. Co., John A., Dunn, N. C "McKay Sturdybilt."
Marion Metal Products Co Cheney Ave Marion Ohio (Dump)
Martin—See Hyster Co
Martin Trailer Div Mastercraft Trailers Inc Middlefield St Middletown Conn (Two-wheel utility)
Miami Specialties Co W Trade Rd Troy Ohio
Mighty Mover Straddle Trailer Co 1701 E Louisiana St Denver 10 Colo (Straddle)
Miller & Smith Mfg Co 500 Phoenix Ave N W Albuquerque N Mex "Loadmaster"
Miller Trailers Inc 333 Sixth Ave W Bradenton Fla (Dry freight refrigerated drop frame platform and bulk fruit)
Nabors Co., W. C., Mansfield, La.
Nelson Mfg Co Ottawa Ohio (Low and flat bed)
Obeco—See Omaha Body & Equipment Co
Ohio Body Mfg Co New London Ohio (Semi)
Omaha Body & Equipment Co 3015 Taylor St Omaha 11 Nebr "Obeco" (Semi-dump)
Omaha Standard 2401 W Broadway Council Bluffs Iowa (Construction type bottom dump end dump livestock and grain)
Oren Roanoke Corp., 1201 W. Salem Ave., Roanoke, Va. (Fire pumping units.)
P-W—See Pointer-Williamette Co
Page & Page Co., 0605 S. W. Curry St., Portland 1, Ore. (Dual axle logging tilt-bed machinery and wood chip)
Pak-Mor Mfg Co Loop 13 & Roosevelt Ave San Antonio Tex (Refuse collection)
Paul Bunyan Co 1602 Cove Ave La Grande Ore "Paul Bunyan"
Pierce Trailer & Equipment Co 1306 S E Ninth Ave Portland 14 Ore (Logging lumber and machinery)
Pointer-Willamette Co P O Box 368 Edmonds Wash "P-W" (Machinery and highway; "West-Pointer" logging and special types)
Powers—See McCabe-Powers Auto Co
Powers-American—See McCabe-Powers Body Co
Progress Mfg Co Oil Equipment Div Arthur Ill (For asphalt and other liquids)
Reliance Trailer & Truck Co 2765 16th St San Francisco 3 Calif (Also logging)
Rogers Bros Corp Orchard St Albion Pa (Low bed heavy duty)
Samson—See Truck-Trailer Supply Co
Santeler Bros 950 E Main St Columbus 5 Ohio
Schafer Plow Co 28 Simpson St Pratt Kans (Farm implement)
Schertzer Equipment Co 32 Prospect St Somerville 28 Mass
Selma Trailer & Mfg Co 3111 Highway 99 Selma Calif (Utility tl't dump van crop etc)
Spartan Aircraft Co 1900 N Sheridan Rd Tulsa Okla "Sparcraft" "Spartan" (Display field office etc)
Spen & Co Henry 1995 Pitkin Ave Brooklyn 7 N Y (Utility, floodlight, oxygen servicing and mobile motion picture units)
Spencer-Safford Loadcraft Inc Augusta Kan "Loadcraft" (Semi oil field pole and four-wheel low-bed etc)
Stabilift—See Cook Bros Equipment Co
Standard Trailer Co 415 Park St San Leandro Calif (Low bed and reel)
Strick Trailers Div of Fruehauf Trailer Co 5604 N Broad St Philadelphia 11 Pa "Strick" & "Strick Roof" (Aluminum; "Lamicooler" plastic refrigerated)
Superior Trailer Mfg Corp 1125 Georgia St Indianapolis Ind (Aluminum dry cargo refrigerated flat platform and petroleum transfer)
TEC—See Heil Co TEC Div
Thomas & Co., Peter, 1320 Main St., Seattle 22, Wash. (Semi. log and four-wheel.)
Thompson Trailer Co 2 Old Court Rd Pikesville Md ("Thompson" Flat bed; "Thompson Standard" reel and pole)
Timmons Metal Products Co 845 Harrisburg Pike Columbus 16 Ohio "Timpco" (Vending)
Timpco—See Timmons Metal Products Co
Timpte Bros., Inc., E. 40th Ave. & York St., Denver 5, Colo.
Trailco Mfg. & Sales Co., Mill St., Hummels Wharf, Pa. (Semi.)
Trailevator Div Maglene Inc Pinconning Mich (Elevating)
Trailmobile Inc 31st & Robertson Aves Cincinnati 9 Ohio
Transport Trailers Inc 1200 12th St S W Cedar Rapids Iowa (Dump grain livestock low-bed platform oil field tilt van etc)
Troyler Corp 1445 Meylert Ave Scranton Pa (Light weight coal and dump)
Truck Parts & Equip Inc 820 E Harry St Wichita Kans
Truck-Trailer Supply Co 720 W Broadway Stafford Kans "Samson" (Pole, grain, lowboy and oil field)
Tyler Equipment Co 1919 Sawyer St Houston 10 Tex (Horse stock etc)
Utility Tool & Body Co 151 E 16th St Clintonville Wis "Eagle" (Cable reel pole telescoping and low bed transformer)
Utility Trailer Mfg Co P O Box F-1 City of Industry Calif
Veenema & Wiegers Inc 241 N Tenth St Paterson 2 N J "V & W" (Aluminum freight and refrigerated)
Vulcan Trailer Mfg Co 901 34th St N Birmingham Ala (Low bed platform and aluminum van)
W & K—See Whitehead & Kales Co
Weber Trailer & Mfg Co 8400 E Slauson Ave Rivera Calif (Mailing address P O Box 2473 Los Angeles 54 Calif) (Semi, four, six-wheel and machinery)
Wells Cargo Div of Prairie Schooner Inc 1501 W Bristol St Elkhart Ind (Semi and utility)
Wentworth & Irwin, Inc., 123 N. E. Oregon St., Portland 14, Ore. (Also logging and low-bed.)
Westland Trailer Co 3900 N W Yeon Ave Portland 10 Ore
West-Pointer—See Pointer-Willamette Co.
Whitehead & Kales Co., 58 Haltiner St., River Rouge 18, Mich. "W & K."
Williamsen Body & Equipment Co Ninth & Wall Sts Ogden Utah
Wilson Trailer Co 2400 Leech Ave Sioux City 6 Iowa (Grain, livestock, van and refrigerated)
Winter-Weiss Co 2201 Blake St Denver 5 Colo (Low bed machinery and farm)
Wolf Engrg Corp 1201 Main St Dallas Tex "Wolfwagon"

TRAILERS, Industrial

American Trailer & Mfg Co 12222 S Woodruff Ave Downey Calif
Colson Corp Elyria Ohio
Detroit Trailer Co 481 Beaufait St Detroit 7 Mich
EWC—See Electric Wheel Co.
Easton Car & Construction Co Liberty & Holly Sts Easton Pa
Electric Wheel Co 1120 N 28th St Quincy Ill "EWC"
Fairbanks Co 393 Lafayette St N Y 3 N Y (Barrel)
Hitco—See Howell Industrial Truck Co
Howell Industrial Truck Co 1083 Erie Cliff St Cleveland 7 Ohio "Hitco"
La Crosse Trailer Corp 418 Gould St La Crosse Wis
Mercury Mfg Co 4700 W Division St Chicago 51 Ill
Miami Specialties Co W Trade Rd Troy Ohio
Nutting Truck & Caster Co 1201 W Division St Faribault Minn
Ohio Galvanizing & Mfg Co Ann St Niles Ohio
Phillips—See Salem-Brosius Inc
Saginaw Products Corp 68 Williamson St Saginaw Mich
Salem-Brosius Inc Arch St Carnegie Pa "Phillips"
Shamrock Trailers & Axle Mfg Co 13447 Schaefer St Detroit Mich
Spartan Aircraft Co 1900 N Sheridan Rd Tulsa Okla
Standard Forge & Axle Co Hunter Station Montgomery 2 Ala "Standard Foshee" (Lumber)
Superior Metal Products Inc Branson & 18th Sts Marion Ind
Thomas Truck & Caster Co 931 Mississippi River Keokuk Iowa (Low-bed)
W & K—See Whitehead & Kales Co
Whitehead & Kales Co 58 Haltiner St River Rouge 18 Mich "W & K"

TRAILERS, Mobile Home

ABC Eastern Corp Box 349 Clarion Pa
Aljo—See Modernistic Industries
Alma Trailer Co Alma Mich
American Coach Co 200 N Michigan St Cassopolis Mich
Anderson Coach Co Box 432 East Tawas Mich
Buckeye Mobile Homes Inc Box 66 Beaverdam Ohio
Cardinal Industries Inc P O Box 186 Bristol Ind
Champion Home Builder Co 5595 N St Dryden Mich
Dixie Queen—See Foster Mfg Co
Dreamhome—See Rollohome Corp
Duo—See Mid-States Corp
Elcar—See Mid-States Corp
Foster Mfg Co P O Box 9006 Shreveport La "Dixie Queen"
Henslee Mobile Home Mfg Co W Division St Arlington Tex
Howard Industries Inc 1923 S Jefferson St Saginaw Mich
Jupiter—See Terra-Cruiser Trailer Coach Co
Kozy Coach—See Mid-States Corp
Liberty Coach Co Syracuse Ind
Luxor-Leffingwell Coach Co 820 Mill St Brookville Ind
Marlette Coach Co Vail St Marlette Mich
Mid-States Corp Union City Mich "Duo" "Elcar" "Pan American" "Star" "Kozy Coach" "National"
Mobile Trailer Inc South River Rd Marysville Mich
Modernistic Industries 1715 W 135th St Gardena Calif "Aljo"
National—See Mid-States Corp
Palace Corp., Flint, Mich.
Pan American—See Mid-States Corp
Prairie Schooner Inc 1503 W Bristol St Elkhart Ind
Raymond Products Co., 1200 Rust Ave., Saginaw, Mich. "Travelo."
Rollohome Corp 1515 N Central Ave Marshfield Wis "Dreamhome" "Rollohome"
Roycraft Coach Co., 117 First St., Chesaning, Mich.
Schult Corp., 1800 S. Main St., Elkhart, Ind.
Spartan Aircraft Co 1900 N Sheridan Rd Tulsa Okla "Sparcraft" "Spartan"
Star—See Mid-States Corp
Stewart Coach Industries Inc P O Box 217 Bristol Ind
Terra-Cruiser Trailer Coach Co 9250 Washburn Crossing Rd Downey Calif "Jupiter" "Terra-Cruiser" "Universal"
Terry Coach Mfg Co 11274 E Rush St El Monte Calif
Traveleze Trailer Co 11473 Penrose St Sun Valley Calif
Travelhome Co of America 9317 Cottage Grove Ave Chicago 19 Ill
Travelo—See Raymond Products Co.
Trotwood Trailers, Inc., 11 N. Broadway, Trotwood, Ohio.
Universal—See Terra-Cruiser Trailer Coach Co
Vagabond Coach Mfg Co 56495 Grand River Ave New Hudson Mich
Viking Mfg Co 800 W Ball Rd Anaheim Calif
Vindale Mobile Homes Inc Hay Ave Brookville Ohio
Whitley Mfg Co P O Box 7 South Whitley Ind
Zimmer Industries Inc 1000 N Ninth St Elwood Ind

TRAILERS, Transport (Auto, Truck and Tractor)

Fox Body Co 1109 Galena St Janesville Wis (Auto)
Fruehauf Trailer Co 10904 Harper Ave Detroit 32 Mich
Mechanical Handling Systems, Inc., 4600 Nancy Ave., Detroit 12, Mich.
Traffic Transport Engrg Inc 14301 Schaden Ave Dearborn Mich
Troyler Corp 1445 Meylert Ave Scranton Pa
W & K—See Whitehead & Kales Co.
Whitehead & Kales Co., 58 Haltiner St., River Rouge 18, Mich. "W & K."

TRANSDUCERS

Sanborn Corp 175 Wyman St Waltham 54 Mass

TRANSFORMERS, Electric

Allis-Chalmers Mfg. Co., Milwaukee 1, Wis.
Chicago Standard Transformer Corp 3501 W Addison St Chicago Ill "Stancor" (Auto and radio)
Djeco Div of Djordjevic Engrg Co 1933 N Damem St Chicago 47 Ill
G-E—See General Electric Co
General Electric Co Apparatus Sales Div 1 River Rd Schenectady 5 N Y "G-E"
Kuhlman Electric Co., 1000 26th St., Bay City, Mich.
Peer Inc 1000 Cross St Benton Harbor Mich "Peer" and "Pier-Ace"
Pier-Ace—See Peer Inc
Progressive Welder Sales Co 915 Oakland Ave Pontiac Mich
Stancor—See Chicago Standard Transformer Corp
Wagner Electric Corp 6400 Plymouth Ave St Louis 33 Mo

TRANSMISSION CONTROLS—See Controls, Transmission (Push Button)

TRANSMISSION FLUID—See Fluid, Transmission

TRANSMISSION LININGS—See Linings, Transmission

TRANSMISSION TOOLS—See Tools, Transmission

TRANSMISSIONS, Auto, Truck and Bus

(For individual gears, see Gears, Transmission)

Clark Equipment Co Transmission Div 1300 Palahee Rd Jackson Mich "Clark" "Step-Matic" "TransVerter" (Truck and bus)
Cotta Transmission Co 2340 11th St Rockford Ill **(Heavy duty)**
Dana Corp 4100 Bennett Rd Toledo 1 Ohio "Spicer-Brown-Lipe" (Bus and truck "Spicer Presto-matic" semi-automatic for trucks)
Detroit Transmission Div General Motors Corp Willow Run Mich **(Mailing address** Ypsilanti Mich) "HydraMatic"
Fuller Mfg Co Transmission Div Prouty St Kalamazoo Mich (Truck)
HydraMatic—See Detroit Transmission Div., General Motors Corp.
New Process Gear Div Chrysler Corp 500 Pium St Syracuse N Y
Rockwell-Standard Corp Transmission & Axle Div 100 Clark Ave Detroit 32 Mich
Spicer-Brown-Lipe—See Dana Corp
Spicer Presto-matic—See Dana Corp
StepMatic—See Clark Equipment Co
TransVerter—See Clark Equipment Co
Warner Gear Div., Borg-Warner Corp., 1106 E. Seymour St., Muncie, Ind. (Also automatic.)

TRANSMISSION, Auxiliary (Auto Truck, Bus, Etc.)

Cook Bros Equipment Co 3334 San Fernando Rd Los Angeles 65 Calif (Truck)
Dana Corp 4100 Bennett Rd Toledo 1 Ohio "Spicer-Brown-Lipe" (Truck)
Fuller Mfg Co Transmission Div Prouty St Kalamazoo, Mich
Sherman Products Inc 3200 W 14 Mile Rd Royal Oak Mich (Tractor)
Spicer-Brown-Lipe—See Dana Corp
Truckstell Mfg Co 3490 W 140th St Cleveland 11 Ohio (Three speed power divider for trucks)
Warner Gear Div Borg-Warner Corp 1105 E Seymour St Muncie Ind (Overdrive unit)
Watson Co H S 1316 67th St Emeryville 8 Calif "Watson-Brown-Lipe" (For trucks)

TRANSMISSIONS, Torque Converter (Auto)

Allison Div General Motors Corp P O Box 894 Indianapolis 6 Ind "Allison Torqmatic Drives" (With retarder for trucks)
Cotta Transmission Co 2340 11th St Rockford Ill
Torqmatic—See Allison Div General Motors Corp
Western Gear Corp 2600 E Imperial Highway Lynwood Calif

TRANSMISSIONS, Variable Speed (Industrial)

Cotta Transmission Co 2340 11th Et Rockford Ill
Fuller Mfg Co Transmission Div Prouty St Kalamazoo Mich
Funk Aircraft Co 1211 W 12th St Coffeyville Kans
Graham Transmissions Inc Menomonee Falls Wis
Lima Electric Motor Co Findlay Rd Lima Ohio (Gearshift)
Link-Belt Co Dept 59-AIPG Prudential Plaza Chicago 1 Ill "PIV" "VRD"
Oilgear Co 1560 W Pierce St Milwaukee 4 Wis
P I V—See Link-Belt Co
Reeves Pulley Div Reliance Electric & Engrg Co 1225 Seventh St Columbus Ind
Salsbury Corp 1161 E Florence Ave Los Angeles 1 Calif
Speed-Trol—See Sterling Electric Motors Inc
Sterling Electric Motors Inc 5401 Telegraph Rd Los Angeles 22 Calif "Speed-Trol"
Sundstrand Machine Tool Div Sundstrand Corp Belvidere Ill
VRD—See Link-Belt Co
Vickers Inc Machinery Hydraulics Div Administrative & Engrg Center Detroit 32 Mich

TREADS, Safety

(For bus steps and cab interiors)

Aluminum Co of America 1501 Alcoa Bldg Pittsburgh 19 Pa (Aluminum)
Bustin Steel Products Inc Dover N J "Bustin Firm-Grip"
Standard Products Co 2130 W 110th St Cleveland 2 Ohio

TREATING, Heat

Alpha Industries Inc 615 Center St Logansport Ind
Brown Corp., 213 Bellevue Ave., Syracuse N Y
Burgess-Norton Mfg Co 737 Peyton St Geneva Ill
Burke Steel Co 30 Sherer St Rochester 2 N Y
Canton Drop Forging & Mfg. Co., 207 12th St., S. E., Canton, Ohio.
Clapp Mfg. Co., E. D., 305 W. Genesee St., Auburn, N. Y.
Commercial Steel Treating Corp., 6100 Tireman Ave., Detroit 4, Mich.
Defiance Screw Machine Products Div. of Serrick Corp., 733 Perry St., Defiance Ohio.
Hartford Machine Screw Co P O Box 1440 Hartford Conn "Stanscrew"
Herman Machine & Tool Co., Kent Rd., Tallmadge, Ohio.
Induction Heating Corp 181 Wythe Ave Brooklyn 11 N Y
Interstate Drop Forge Co., 4051 N. 27th St., Milwaukee 16 Wis
Ladish Co., 5481 S. Packard Ave., Cudahy, Wis.
Ludlum Steel Co., Watervliet, N. Y.
Lundberg Screw Products Co., P. O. Box 1315, Lansing 4, Mich.
Michigan Plating & Stamping Co 740 Ann St N W Grand Rapids Mich
Porter Forge and Furnace, Inc., 74 Foley St., Somerville 43, Mass.
Pressed Metals of America Inc Port Huron Mich
Ross Engrg Div Midland-Ross Corp J O 730 Third Ave New York 17 N Y (Magnesium and aluminum)
Spring Div., Borg-Warner Corp., Madison St. & 25th Ave., Bellwood, Ill.
Stanscrew—See Hartford Machine Screw Co
Thurner Heat Treating Co., 809 W. National Ave., Milwaukee, Wis.
Woodworth Co., N. A., 1300 E. Nine Mile Rd., Detroit 20, Mich.

TRESTLES—See Horses and Trestles

TRIMMERS' CLIPS—See Fasteners Molding and Trim

TRIMMING PANELS—See Panels, Upholstered

TRIMMING PRESSES — See Presses, Trimming

TRIMS, Metal (Auto)

(See also Handles, Car Door; Hinges, Door [Auto]; Locks, Door [Auto]; Moldings)

American Name Plate & Mfg Co 4254 W Arthington St Chicago 24 Ill "Anco" (Decorated)
Anco—See American Name Plate & Mfg Co
Applied Arts Corp 365 Lane Ave S W Grand Rapids 2 Mich
Auto-Lite—See Electric Auto-Lite Co Woodstock Div
Croname Inc 6217 Howard St Chicago 48 Ill
Detroit Gasket & Mfg Co 12640 Burt Rd Detroit 23 Mich "Dee-Gee"
Dee-Gee—See Detroit Gasket & Mfg Co
Electric Auto-Lite Co Toledo 1 Ohio "Auto-Lite"
Etched Products Corp 39-01 Queens Blvd Long Island City 4 N Y
Firestone Steel Products Co 1600 Firestone Parkway Akron 1 Ohio (Aluminum)
Forest City Products Inc Industrial Products Div 722 Bolivar Rd Cleveland 15 Ohio "Mylar" (Metallic backed plastic)
Gem Mfg Co 2535 South State St Chicago 16 Ill (Fender hood and headlight)
Ionia Mfg Co Div of Mitchell-Bentley Corp 121 S Dexter St Ionia Mich
Mylar—See Forest City Products Inc
Perfection Automotive Products Corp 925 W Elizabeth St Detroit 1 Mich (Chrome body and fender)
Randall Co 5000 Spring Grove Ave Cincinnati 32 Ohio (Stainless)
Regal Motor Products Inc 6325 Grand River Ave Detroit 8 Mich
Reynolds Metals Co 6601 Broad St Richmond 19 Va (Aluminum)
Roll Formed Products Co 3765 Oakwood Ave Youngstown O
Standard Products Co 2130 W 110th St Cleveland 2 Ohio
United Metal Craft Co 800 Lowell St Ypsilanti Mich
Young Spring & Wire Corp 9200 Russell St Detroit 11 Mich

TRIMS, Upholstery (Auto)

Ionia Mfg Co Div of Mitchell-Bentley Corp 121 S Dexter St Ionia Mich
Monadnock Mills 1977 First Ave San Leandro Calif
National Automotive Fibres Inc 19925 Hoover Ave Detroit 5 Mich (Interior)
Sun Rubber Co Industrial Products Div 9 Fairview Ave Barberton Ohio (Vinyl plastic foam trim pads)

TROLLEYS, Monorail

American Monorail Co., 13107 Athens Ave., Cleveland 7, Ohio
Anchor Steel & Conveyor Co 6906 Kingsley Ave Dearborn Mich
Beam-Way—See David Round & Son
Borg-Warner Industrial Cranes 1536 S Paulina St Chicago 8 Ill (Electric)
Buschman Co E W Spring Grove & Clifton Aves Cincinnati 32 Ohio
Chisholm-Moore Hoist Div Columbus McKinnon Chain Corp Freemont Ave Tonawanda N Y "Matchless" "Moore"
Coffing Hoist Div Duff-Norton Co 800 Walter St Danville Ill (I-beam)
Curtis Mfg Co Pneumatic Div 1927 Kienlen Ave St Louis 20 Mo
Detroit Hoist & Machine Co 8216 Morrow St Detroit 11 Mich
Euclid Crane & Hoist Co., Euclid, Ohio.
Harnischfeger Corp 4400 W National Ave Milwaukee 14 Wis "P&H"
Harrington Co Gravers Rd at Turnpike Plymouth Meeting Pa
Louden Machinery Co., 1102 West Ave., Fairfield, Ia.
Matchless—See Chisholm-Moore Hoist Div
Moore—See Chisholm-Moore Hoist Div
Northern Engineering Works 210 Chene St Detroit 7 Mich
Ohio Hoist Mfg Co 321 S Beaver St Lisbon Ohio
P & H—See Harnischfeger Corp.
Palmer-Bee Co 2990 Opdyke Rd Bloomfield Hills Mich
R & M—See Robbins & Myers Inc
Richards-Wilcox Mfg. Co., Third St. & C. B. & Q. R. R. Tracks, Aurora, Ill.
Robbins & Myers, Inc., Lagonda Ave., Springfield, Ohio. "R & M."
Round & Son David Box 883 Cleveland 22 Ohio "Beam-Way"
Saginaw Products Corp., 68 Williamson St., Saginaw, Mich.
Shepard Niles Crane & Hoist Corp Montour Falls N Y
Webb Co Jervis B 8925 Alpine Ave Detroit 4 Mich.
Whiting Corp., 157th & Lathrop Sts., Harvey, Ill.

TRUCK BODY PARTS—See Parts, Truck Body

TRUCK CASTERS—See Casters, Truck

TRUCK CONVEYORS, FLOOR TYPE — See Conveyors, Truck and Trailer (Floor Type)

TRUCK FLOOR COVERINGS—See Coverings, Floor (Bus or Truck)

TRUCK FLOOR PLATES—See Plates, Floor (Truck and Bus)

TRUCK FRAMES (SWIVEL) — See Frames, Truck (Swivel)

TRUCK LOADERS (ELEVATING TAILGATE)—See Loaders, Truck (Elevating Tailgate)

TRUCK LOADING RAMPS — See Ramps, Truck Loading

TRUCK TANKS—See Tanks, Trailer and Truck Body

TRUCKS, Factory (Hand)

ASI—See Angle Steel Inc
Aerol Co 1731 Workman St Los Angeles 31 Calif
American Pulley Co., 4200 Wissahickon Ave., Philadelphia 29, Pa
Angle Steel Inc 56 Oak St Plainwell Mich "ASI"
Automatic Transportation Co Div Yale & Towne Mfg Co 101 W 87th St Chicago 20 Ill
BG—See Bernard Gloekle North East Co
Barrett-Cravens Co 630 Dundee Rd Northbrook Ill
Bernard Franklin Co Hedley & Bath Sts Philadelphia 37 Pa
Bernard Gloeker North East Co Robinson & Wall Sts North East Pa "BG"
Bishman Mfg Co Route 2 Osseo 26 Minn "Start Cart" (Battery)
Brooks & Perkins Inc 1950 W Fort St Detroit 16 Mich
Burdett Oxygen Co. of Cleveland, Inc., 3300 Lakeside Ave., Cleveland 14, Ohio. "Burdox."
Burdox—See Burdett Oxygen Co. of Cleveland, Inc.
Buschman Co E W Spring Grove & Clinton Aves Cincinnati 32 Ohio "Wheel-it"

Cam Tool Co 288 22nd St Oakland 12 Calif "Ormsby"
Clark Co Geo P 35 Canal St Windsor Locks Conn.
Clark Equipment Co Industrial Truck Div Lafayette & 24th Sts Battle Creek 85 Mich "Powrworker"
Clinton Products Co 701 Tecumseh Rd Clinton Mich
Colson Corp., Elyria, Ohio.
Continental-Diamond Fibre Corp Newark 2 Del "Diamond" (Fibre)
Diamond—See Continental-Diamond Fibre Corp
Dico Co 200 S W 16th St Des Moines 5 Iowa
Dumptor—See Koehring Co
Durlach Can & Iron Works 325 Spring St New York N Y
Factory Service Co., 4615 N. 21st St., Milwaukee 9, Wis. "Turner System."
Fairbanks Co., 393 Lafayette St., New York 3, N. Y.
FloorMaster—See Lewis-Shepard Products Inc.
French & Hecht Div Kelsey-Hayes Co P O Box 690 Davenport Iowa
Hamilton Caster & Mfg Co 1517 Dixie Highway Hamilton Ohio
Hitco—See Howell Industrial Truck Co
Howell Industrial Truck Co 1083 Erie Cliff St Cleveland 7 Ohio "Hitco"
Jak-Tung—See Thomas Truck & Caster Co
Jakes Foundry Co P O Box 1275 Nashville Tenn
Kennett—See National Vulcanized Fibre Co
Koehring Co., 3026 W. Concordia Ave., Milwaukee 10, Wis. "Dumptor."
Lanco—See Lansing Co
Lansing Co 603 N Cedar St Lansing 3 Mich "Lanco"
Lewis Co G B 426 Montgomery St Watertown Wis (Wood and plastic)
Lewis-Shepard Products Inc 1050 Walnut St Watertown Mass "FloorMaster"
Magcoa-Tobey—See Magnesium Co of America
Magline Inc 952 Murray Rd Pinconning Mich "Magliner"
Magnesium Co of America 5222 Indianapolis Blvd East Chicago Ind "Magcoa-Tobey"
Mercury Mfg Co 4700 W Division St Chicago 51 Ill
National Vulcanized Fibre Co Maryland Ave & Beech Sts Wilmington 99 Del "Kennett" & "National" (Fibre)
Nutting Truck & Caster Co., 1201 W Division St Faribault Minn
Orangeville Mfg Co Orangeville Pa
Ormsby—See Cam Tool Co
Powrworker—See Clark Equip Co
Rapids-Standard Co Rapistan Bldg Grand Rapids 2 Mich "Rapistan"
Raymond Corp 151 Madison St Greene N Y "Raymond Walkie" (Battery operated)
Rol-A-Lift—See Skarnes Engrg & Supply Inc
Rush Mfg Co E S 499 San Fernando Rd Los Angeles 31 Calif
Sabin Machine Co., 6536 Carnegie Ave., Cleveland 3, Ohio.
Sage Equipment Co 30 Essex St Buffalo 13 N Y
Saginaw Products Corp., 68 Williamson St., Saginaw, Mich.
Selma Trailer & Mfg Co 3111 Highway 99 Selma Calif
Skarnes Engrg & Supply Inc 2907 E Franklin Ave Minneapolis 6 Minn "Rol-A-Lift"
Spring Bearing—See West Bend Equipment Corp
Start Cart—See Bishman Mfg Co
Thomas Truck & Caster Co 931 Mississippi River Keokuk Iowa "Jak-Tung" "Thomas"
Towmotor Corp., 1226 E. 152nd St., Cleveland 10, Ohio. (Battery operated.)
Towsley Trucks Inc 1766 Elmore St Cincinnati 23 Ohio
Tug-Bar—See Western Gear Corp
Turner System—See Factory Service Co.
Wellington Machine Co 133 DeWolf St Wellington O
West Bend Equipment Corp., 216 S. Water St., West Bend Wis "Spring Bearing."
Western Gear Corp 2600 E Imperial Highway Lynwood Calif "Tug-Bar" (Motorized for moving cars and trucks in warehouses garages etc)
Wheel-it—See E W Buschman Co
Yale & Towne Mfg Co Yale Materials Handling Div 11000 Roosevelt Blvd Philadelphia 15 Pa

TRUCKS, Fire (Industrial)

Ajax—See Safety Fire Extinguisher Co
Alfite—See American-La France Corp
Alfoam—See American-LaFrance Corp
American-LaFrance Corp 187 E LaFrance St Elmira N Y "Alfite" "Arctic" "Challenger" "Foamite"
Arctic—See American-LaFrance Corp
Cardox Corp., 307 N. Michigan Ave., Chicago 1, Ill. (CO2)
Challenger—See American-LaFrance Corp
Foamite—See American-LaFrance Corp
Pirsch & Sons Co 1308 35th St Kenosha Wis
Safety Fire Extinguisher Co 293 Seventh Ave New York 1 N Y "Ajax"
Seco Engrg & Mfg Inc 1300 W Fort St Detroit 26 Mich
Yankee Motor Bodies Corp 1224 E Olympia St Los Angeles 2 Calif (Airport crash)

TRUCKS, Fire (Including Equipment)

American-LaFrance Corp 187 E LaFrance St Elmira N Y (Gasoline)
Crown Coach Corp 2500 E 12th St Los Angeles 21 Calif
FWD Corp E 12th St Clintonville Wis
Federal Motor Truck Co 834 N Seventh St Minneapolis 11 Minn
Gichner Iron Works Inc Fred S 1214 24th St N W Washington 7 D C
Hahn Motors, Inc., 400 S. Third St., Hamburg, Pa.
Howe Fire Apparatus Co 1402 W 22nd St Anderson Ind
Mack Trucks Inc 1000 S Second St Plainfield N J
Maxim Motor Co., 170 Wareham St., Middleboro, Mass.
Oren Roanoke Corp., 1201 W. Salem Ave., Roanoke, Va.
Pirsch & Sons Co., Peter, 1308 35th St., Kenosha, Wis.
Seagrave Corp 2000 S High St Columbus Ohio
Universal Fire Apparatus Corp Ft of Wheatland Ave Logansport Ind
Walter Motor Truck Co., 1001 Irving Ave., Ridgewood, Brooklyn 27, N. Y.
Ward-LaFrance Truck Corp Elmira N Y

TRUCKS, Industrial (Diesel)

Hyster Co 2902 NE Clackamas St Portland 8 Ore
Silent Hoist & Crane Co 841 63rd St Brooklyn 20 N Y "Silent Hoist Strad-krane" (Straddle type)

TRUCKS, Industrial (Electric)

American Pulley Co 4200 Wissahickon Ave Philadelphia 29 Pa
Automatic Transportation Co Div Yale & Towne Mfg Co 101 W 87th St Chicago 20 Ill "Dynamotive" "Transporter"
Baker Industrial Trucks Div of Otis Elevator Co 8000 Baker Ave Cleveland 2 Ohio (Electric or gas-electric)
Barrett-Cravens Co 630 Dundee Rd Northbrook Ill
Clark Equipment Co Industrial Truck Div Lafayette & 24th Sts Battle Creek 85 Mich "Clarkat"
Clarkat—See Clark Equip Co
Cushman Motor Works Inc 920 N 21st St Lincoln Nebr
Custer Specialty Co 139 Bradford St Dayton 10 Ohio
Dynamotive—See Automatic Transportation Co
Electric Pony Express Co 1753 Blake Ave Los Angeles 31 Calif "Pony Express"
Hitco—See Howell Industrial Truck Co
Howell Industrial Truck Co 1083 Erie Cliff St Cleveland 7 Ohio "Hitco"
Kalamazoo Mfg Co 1827 Reed St Kalamazoo Mich
Lewis-Shepard Products Inc 1050 Walnut St Watertown 72 Mass "ToteMaster"
Mercury Mfg Co 4700 W Division St Chicago 51 Ill
Moto-Truc Co 1953 E 59th St Cleveland 3 Ohio
Pony Express—Electric Pony Express Co
Raymond Corp 151 Madison St Greene N Y
ToteMaster — See Lewis-Shepard Products Inc
Transporter—See Automatic Transportation Co
Yale & Towne Mfg Co Yale Materials Handling Div 11000 Roosevelt Blvd Philadelphia 15 Pa

TRUCKS, Industrial (Gasoline)

Allis-Chalmers Mfg Co Engine Material Handling Div 1135 S 70th St Milwaukee 1 Wis
Automatic Transportation Co Divs Yale & Towne Mfg Co 101 W 87th St Chicago 20 Ill "Dynamotive"
Clark Equipment Co Industrial Truck Div Lafayette & 24th Sts Battle Creek 85 Mich "Tructractors"
Cushman Motor Works Inc 920 N 21st St Lincoln Nebr
Dynamotive—See Automatic Transportation Co
Gerlinger Carrier Co Lyle & Birch Sts Dallas Ore (Straddle)
Getman Bros Mfg Div South Haven Mich "Getman" "Scoot-Crete" (Dump)
"HH" Mfrs 2224 Cerritos Ave Long Beach 6 Calif
Hitco—See Howell Industrial Truck Co
Hough Co Frank G 801 Sunnyside Ave Libertyville Ill "Payloader"
Howell Industrial Truck Co 1083 Erie Cliff St Cleveland 7 Ohio "Hitco"
Hyster Co 2902 NE Clackamas St Portland 8 Ore
Kalamazoo Mfg Co 1827 Reed St Kalamazoo Mich
Knickerbocker Co 603 Liberty St Jackson Mich "Truck-man"
Kwik-Mix Co 235 W Grand Ave Port Washington Wis "Moto-Bug" (Also LP-Gas)
Mercury Mfg Co 4700 W Division St Chicago 51 Ill
Moto-Bug—See Kwik-Mix Co
Payloader—See Frank G Hough Co
Ross Carrier Co., Second & Miller Sts., Benton Harbor, Mich. (Also gas-electric.)
Scoot-Crete—See Getman Bros Mfg Div
Silent Hoist & Crane Co 841 63rd St Brooklyn 20 N Y "Silent Hoist Strad-krane" (Straddle type)
Truck-man—See Knickerbocker Co
Tructractors—See Clark Equipment Co
Yale & Towne Mfg Co Yale Materials Handling Div 11000 Roosevelt Blvd Philadelphia 15 Pa (Also LP-Gas)

TRUCKS, Lift (Diesel Powered)

Allis-Chalmers Mfg Co Engine Material Handling Div 1135 S 70th St Milwaukee 1 Wis
Clark Equipment Co Industrial Truck Div Lafayette & 24th Sts Battle Creek 85 Mich "Yardlift"
Hyster Co 2902 NE Clackamas St Portland 8 Ore
Mercury—See Transitier Truck Co
Oliver Corp A B Farquhar Div 142 N Duke St York Pa
Towmotor Corp 1226 E 152nd St Cleveland 10 Ohio
Transitier Truck Co 5475 N Lagoon Ave Swan Island Portland 11 Ore "Mercury"
Yale & Towne Mfg Co Yale Materials Handling Div 11000 Roosevelt Blvd Philadelphia 15 Pa

TRUCKS, Lift (Electrically Operated)

American Pulley Co 4200 Wissahickon Ave Philadelphia 29 Pa
Automatic Transportation Co Div Yale & Towne Mfg Co 101 W 87th St Chicago 20 Ill "Automatic" "Docker" "Dynamotive" "Elbolift" "Skylift" "Transrider" "Transveyor" "Transporter"
Baker Industrial Trucks Div of Otis Elevator Co 8000 Baker Ave Cleveland 2 Ohio (Electric or gas-electric)
Barrett-Cravens Co 630 Dundee Rd Northbrook Ill
Big Joe Mfg Co 900 W Jackson Blvd Chicago 7 Ill
Clark Equipment Co Industrial Truck Div Lafayette & 24th Sts Battle Creek 85 Mich "Clark Elec-Carloader" "Clark Elec-Clipper" "Clark Elec-Truckloader" "Clark Elec-Utilitruc" "Clark Hydratork" "Clarklift Pul-Pac" "Clarklift Ranger" "Clark Stoway"
Clarklift—See Clark Equipment Co
Docker—See Automatic Transportation Co
Dynamotive—See Automatic Transportation Co
Economy Engrg Co 4511 W Lake St Chicago 24 Ill "Walkie-Worklifter"
Elbolift—See Automatic Transportation Co
Elwell-Parker Electric Co 4205 St Clair Ave Cleveland 3 Ohio (Also gas-electric)
Excelsior Plimptruck Co 796 Atlantic St Stamford Conn
Gogetter—See Revolvator Co
Hitco—See Howell Industrial Truck Co
Howell Industrial Truck Co 1083 Erie Cliff St Cleveland 7 Ohio "Hitco"
JackLift—See Lewis-Shepard Products Inc
Jackstacker—See Lewis-Shepard Products Inc
Lewis-Shepard Products Inc 1050 Walnut St Watertown Mass ("Jack Lift" "Jackstacker" "Power Master" "SpacerMaster" also gas-electric)
Lift Trucks Inc Spring Grove St Cincinnati 1 Ohio
Mercury Mfg Co 4700 W Division St Chicago 51 Ill
Moto-Truc Co 1953 E 59th St Cleveland 3 Ohio
Ohio—See Portable Lift Trucks Inc
Portable Lift Trucks Inc 2861 Sidney Ave Cincinnati 25 Ohio "Ohio"
Power Master—See Lewis-Shepard Products Inc
Raymond Corp 151 Madison St Greene N Y

TRUCKS, Lift (Electrically Operated)—continued

Revolvator Co 2026 86th St North Bergen N J "Gogetter"
Skylift—See Automatic Transportation Co
SpaceMaster—See Lewis-Shepard Products Co
Transrider — See Automatic Transportation Co
Transporter—See Automatic Transportation Co
Transveyor—See Automatic Transportation Co
Walkie-Worklifter—See Economy Engrg Co
Yale & Towne Mfg Co Yale Materials Handling Div 11000 Roosevelt Blvd Philadelphia 15 Pa

TRUCKS, Lift (Gasoline Powered)

Allis-Chalmers Mfg Co Engine Material Handling Div 1135 S 70th St Milwaukee 1 Wis (Also LP-Gas)
Automatic Transportation Co Div of Yale & Towne Mfg Co 101 W 87th St Chicago 20 Ill "Dynamotive"
Baker Industrial Trucks Div of Otis Elevator Co 8000 Baker Ave
Clark Equipment Co Industrial Truck Div Lafayette & 24th Sts Battle Creek 85 Mich "Utilitruc" "Clark Yardlift" "Clarklift" (LP-Gas)
Dynamotive—See Automatic Transportation Co
Erickson Power Lift Trucks Inc St Anthony Blvd & University Ave N E Minneapolis 13 Minn (Fork and platform types)
Gerlinger Carrier Co Lyle & Birch Sts Dallas Ore
"HH" Mfrs 2224 Cerritos Ave Long Beach 6 Calif
Hi-Lifter—See Kwik-Mix Co
Hitco—See Howell Industrial Truck Co
Howell Industrial Truck Co 1083 Erie Cliff St Cleveland 7 Ohio "Hitco"
Hyster Co 2902 NE Clackamas St Portland 8 Ore
Kwik-Mix Co 235 W Grand Ave Port Washington Wis "Hi-Lifter" "Moto-Bug" (Also LP-Gas)
Lamson Mobilift Corp 835 S E Main St Portland 14 Ore "Mobilift"
Lewis-Shepard Products Inc 1050 Walnut St Watertown Mass "Spacemaster" (Gas-electric)
Lift-O-Krane—See Silent Hoist & Crane Co
Liftruk—See Silent Hoist & Crane Co
MacDonald—See Peterbilt Motors Co.
Mercury—See Transitier Truck Co
Mobilift—See Lamson Mobilift Corp
Moto-Bug—See Kwik-Mix Co
Oliver Corp A B Farquhar Div 142 N Duke St York Pa
Ottawa Steel Div Young Spring & Wire Corp 435½ S Main St Ottawa Kans "Ottawa Tracto-Lift"
Peterbilt Motors Co., 107th Ave. & McArthur Blvd., Oakland, Calif. "MacDonald."
Silent Hoist & Crane Co 841 63rd St Brooklyn 20 N Y "Liftruk" & "Lift-O-Krane"
Spacemaster—See Lewis-Shepard Products, Inc
Towmotor Corp 1226 E 152nd St Cleveland 10 Ohio (Also LP-Gas)
Transitier Truck Co 5475 N Lagoon Ave Swan Island Portland 11 Ore "Mercury"
Utilitruc—See Clark Equipment Co
Yale & Towne Mfg Co Yale Materials Handling Div 11000 Roosevelt Blvd Philadelphia 15 Pa

TRUCKS, Lift (Hand Operated)

Automatic Transportation Co Divs Yale & Towne Mfg Co 101 W 87th St Chicago 20 Ill "Transporter" "Transveyor" (Motorized)
Barrett-Cravens Co 630 Dundee Rd Northbrook Ill
Big Joe Mfg Co 900 Jackson Blvd Chicago 7 Ill
Clark Co Geo P 35 Canal St Windsor Locks Conn
Colson Corp Elyria Ohio
Excelsior Plimptruck Co 796 Atlantic St Stamford Conn "Plimptruck" (Hydraulic)
Factory Service Co 4615 N 21st St Milwaukee 9 Wis "Turner System"
FootLift—See Lewis-Shepard Products Inc
Grand Specialties Co 3113 W Grand Ave Chicago 22 Ill "Shop Caddy" "Lift Stacker" (Hydraulic)
JackLift—See Lewis-Shepard Products Inc
Lewis-Shepard Products Inc 1050 Walnut St. Watertown Mass "JackLift" "FootLift" (Hydraulic; "JackLift" & "SpeedLift" "RedLift" "QuikLift" mechanical)
Lift Stacker—See Grand Specialties Co
Plimtruck—See Excelsior Plimtruck Co
QuikLift—See Lewis-Shepard Products Inc
Red Giant—See Revolvator Co
Red-Lift—See Lewis-Shepard Products Inc
Revolvator Co 2026 86th St North Bergen N J "Red Giant"
Shop Caddy—Grand Specialties Co
SpeedLift—See Lewis-Shepard Products Inc
Transporter—See Automatic Transportation Co
Transveyor—See Automotic Transportation Co
Turner System—See Factory Service Co
Weld-Bilt—See West Bend Equipment Corp
Wellington Machine Co 138 DeWolf St Wellington O (Hydraulic)
West Bend Equipment Corp., 216 S Water St West Bend Wis "Weld-Bilt"
Yale & Towne Mfg Co Yale Materials Handling Div 11000 Roosevelt Blvd Philadelphia 15 Pa (Motorized)

TRUCKS, Motor (Diesel)

American Coleman Co Littleton Colo
Autocar Div White Motor Co Lancaster Ave Exton Pa
Available Truck Co Div of Crane Carrier Corp P O Box 5008 Tulsa Okla
Brockway Motor Trucks Div of Mack Trucks Inc 106 Central Ave Cortland N Y
Cline Truck Co 3501 Gardner Ave Kansas City 20 Mo
Cook Bros Equipment Co 3334 San Fernando Rd Los Angeles 65 Calif "Earth King"
Corbitt Co Parham St Henderson N C
Diamond T Motor Truck Co 4401 W 26th St Chicago 23 Ill
Dumptor—See Parsons Co
Duplex Div Warner & Swasey Co Hazel St Lansing 4 Mich
Earth King—See Cook Bros Equipment Co
Euclid Div General Motors Corp 1361 Chardon Rd Cleveland 17 Ohio (Dump, for off the-highway service)
FWD Corp E 12th St Clintonville Wis
Federal Motor Truck Co 834 N 7th St Minneapolis 11 Minn
Freightliner Corp 5400 N Basin Ave Portland 17 Ore "White-Freightliner" (Sole distributors White Motor Co 842 E 79th St Cleveland 1 Ohio)
GMC Truck & Coach Div General Motors Corp 660 South Blvd E Pontiac 11 Mich
Hendrickson Mfg Co 8001 W 47th St Lyons Ill
International Harvester Co Harvester Bldg 180 N Michigan Ave Chicago 1 Ill
KW-Dart Truck Co 1301 N Manchester St Kansas City 20 Mo (Off-highway)
Kenworth Motor Truck Co 8801 E Marginal Way Seattle 8 Wash
Mack Trucks Inc 1000 S Second St Plainfield N J
Oshkosh Motor Truck Inc 2300 Oregon St Oshkosh Wis
Parsons Co Newton Iowa "Dumptor" (For off-highway service)
Peterbilt Motors Co 107th Ave & MacArthur Blvd Oakland 5 Calif
Reo Div White Motor Co 1331 S Washington Ave Lansing 20 Mich
Sicard Industries Inc 753 W Main St Watertown N Y (Rotary snow plows and street flushers)
Walter Motor Truck Co 1001 Irving Ave Ridgewood Brooklyn 27 N Y (Also snow fighters)
Ward-LaFrance Truck Corp Elmira N Y
White-Freightliner—See Freightliner Corp
White Motor Co., 842 E 79th St., Cleveland 1 Ohio

TRUCKS, Motor (Electric)

Cleveland Vehicle Co 3949 Lakeside Ave Cleveland 14 Ohio "C-V" (Multi-stop delivery)

TRUCKS, Motor (Gasoline)

American Coleman Co Littleton Colo
Autocar Div White Motor Co Lancaster Ave Exton Pa
Available Truck Co Div of Crane Carrier Corp P O Box 5008 Tulsa Okla
Brockway Motor Trucks Div of Mack Trucks Inc 106 Central Ave Cortland N Y
Champion Carriers Inc 65 N Madison St (P O Box 2651) Tulsa Okla (Off-highway)
Chevrolet Motor Div of General Motors Corp General Motors Bldg Detroit 2 Mich
Cline Truck Co 3501 Gardner Ave Kansas City 20 Mo
Cook Bros Equipment Co 3334 San Fernando Rd Los Angeles 65 Calif "Load King"
Corbitt Co Parham St Henderson N C
Crown Coach Corp 2500 E 12th St Los Angeles 21 Calif
Diamond T Motor Truck Co 4401 W 26th St Chicago 23 Ill
Divco Truck Div Divco-Wayne Corp 22000 Hoover Rd Detroit 5 Mich (Door to door delivery)
Dodge Div Chrysler Corp 7900 Joseph Campau Ave Detroit 31 Mich
Duplex Div Warner & Swasey Co Hazel St Lansing 4 Mich
Esco Motor Co c/o Exhibitor's Service Co 85 Helens St McKees Rocks Pa
FWD Corp E 12th St Clintonville Wis
Federal Motor Truck Co 834 N 7th St Minneapolis 11 Minn
Ford Div Ford Motor Co Rotunda Div at Southfield Ave Dearborn Mich
Fox Body Co 1109 Galena St Janesville Wis "Lift-Dek"
GMC Truck & Coach Div General Motors Corp 660 South Blvd E Pontiac 11 Mich
Hendrickson Mfg Co 8001 W 47th St Lyons Ill
International Harvester Co Harvester Bldg 180 N Michigan Ave Chicago 1 Ill
KW-Dart Truck Co 1301 N Manchester St Kansas City 20 Mo (Off-highway)
Kenworth Motor Truck Co 8801 E Marginal Way Seattle 8 Wash
Lift-Dek—See Fox Body Co
Load-King—See Cook Bros Equipment Co
Mack Trucks Inc 1000 S Second St Plainfield N J
Marmon-Herrington Co 1511 W Washington St Indianapolis 7 Ind
Milford Crane & Machine Co 143 Buckingham Ave Milford Conn (Crane-truck)
Oshkosh Motor Truck Inc 2300 Oregon St Oshkosh Wis
Peterbilt Motors Co 107th Ave & MacArthur Blvd Oakland 5 Calif
Reo Div White Motor Co 1331 S Washington Ave Lansing 20 Mich
Sicard Industries Inc 753 W Main St Watertown N Y (Rotary snow plows and street flushers)
Studebaker-Packard Corp 635 S Main St South Bend 27 Ind
Walter Motor Truck Co 1001 Irving Ave Ridgewood Brooklyn 27 N Y (Also snow fighters)
Ward-LaFrance Truck Corp Elmira N Y
White Motor Co 842 E 79th St Cleveland 1 Ohio
Willys Motors Inc 940 N Cove Blvd Toledo 1 Ohio (Also jeeps station wagons and utility vehicles)
Wolf Engrg Corp 1201 Main St Dallas Tex "Wolfwagon"

TRUCKS, Motor (LP-Gas)

Brockway Motor Trucks Div of Mack Trucks Inc 106 Central Ave Cortland N Y
Cline Truck Co 3501 Gardner Ave Kansas City 20 Mo
International Harvester Co Harvester Bldg 180 N Michigan Ave Chicago 1 Ill

TRUCKS, Oven

Hitco—See Howell Industrial Truck Co
Howell Industrial Truck Co 1083 Erie Cliff St Cleveland 7 Ohio "Hitco"
K&B—See Kirk & Blum Mfg Co
Kirk & Blum Mfg Co 3120 Forrer St Cincinnati 9 Ohio "K & B"
Ross Engrg Div Midland-Ross Corp J O 730 Third Ave New York 17 N Y
Young Bros Co 1831 Columbus Rd Cleveland 13 Ohio

TRUCKS, Special Purpose

(Dump, crane, bale, roll, etc.)

American Pulley Co 4200 Wissahickon Ave Philadelphia 29 Pa
Available Truck Co Div of Crane Carrier Corp P O Box 5008 Tulsa Okla
Baker Industrial Trucks Div of Otis Elevator Co 8000 Baker Ave Cleveland 2 Ohio (Electric or gas-electric)
Barrett-Cravens Co 630 Dundee Rd Northbrook Ill
Bennett—See John Wood Co Bennett Pump Div
Clark Co Geo P 35 Canal St Windsor Locks Conn
Colson Corp Elyria Ohio
Dico Co 200 S W 16th St Des Moines 5 Iowa
Economy Engrg Co 4511 W Lake St Chicago 24 Ill (Hand drum)
Elwell-Parker Electric Co 4205 St Clair Ave Cleveland 3 Ohio
Ernst Inc Chas K 1001 E Ferry St Buffalo N Y "Ernst Drumobile" (Drum and barrel)
Factory Service Co 4615 N 21st Milwaukee 9 Wis "Turner System"
Fairbanks Co 393 Lafayette St N Y 3 N Y (Barrel)
Gasboy—See Wm M Wilson's Sons Inc
Hamilton Caster & Mfg Co 1517 Dixie Highway Hamilton Ohio
Hitco—See Howell Industrial Truck Co

Howell Industrial Truck Co 1083 Erie Cliff St Cleveland 7 Ohio "Hitco"
Hyster Co 2902 NE Clackamas St Portland 8 Ore
Independent Iron Works Inc 8th & Pine Sts Oakland 20 Calif
Kalamazoo Mfg Co 1827 Reed St Kalamazoo Mich "Xpediter" (Hydraulic and hand)
Mahon Co R C 6565 E Eight Mile Rd Detroit 34 Mich (Core rack)
Mercury Mfg Co 4700 W Division St Chicago 51 Ill
Nutting Truck & Caster Co 1201 W Division St Faribault Minn (Barrel)
Orangeville Mfg Co Orangeville Pa
Raymond Corp 151 Madison St Greene N H
Sabin Machine Co 6536 Carnegie Ave Cleveland 3 Ohio (For drums, coils, boxes, etc)
Turner System—See Factory Service Co
Wellington Machine Co 133 DeWolf St Wellington O
West Bend Equipment Corp 216 S Water St West Bend Wis (Drum and barrel)
Wilson's Sons Inc Wm M 8th St & Franconia Ave Lansdale Pa "Gasboy"
Wood Co John Bennett Pump Div Broadway & Wood Sts Muskegon Mich "Bennett" (Drum)
Xpediter—See Kalamazoo Mfg Co

TRUNK GUARDS — See Guards, Radiator Grille, Fender and Trunk

TUBE BENDERS—See Benders, Tube

TUBE BENDINGS—See Bendings, Tubular

TUBE FLARING MACHINES—See Machines, Tube Flaring

TUBE FLARING TOOLS—See Tools, Tube Flaring

TUBE MAKING MACHINES—See Machines Tube Making

TUBES, IGNITION CABLE — See Conduit, Flexible Car Wiring

TUBES, Inner

Airlox—See Polson Rubber Co
Armstrong-Norwalk Rubber Corp Glover Ave Norwalk Conn "Armstrong" & "Norwalk"
Armstrong Rubber Co 475 Elm St West Haven 16 Conn
Carlisle Tire & Rubber Div Carlisle Corp 621 N College St Carlisle Pa
Century—See Mansfield Tire & Rubber Co
Champion—See Polson Rubber Co
Cooper Tire & Rubber Co Lima & Western Aves Findlay Ohio
Corduroy Rubber Co Fuller Ave & G T Tracks, Grand Rapids 1 Mich
Dayton Rubber Co 2342 Riverview Ave Dayton Ohio "Dayton" "Thorobred"
Denman Rubber Mfg Co P O Box 951 Warren Ohio
Dunlop Tire & Rubber Corp Sheridan Dr & River Rd Buffalo 5 N Y
Durkee-Atwood Co 215 Seventh St N E Minneapolis 13 Minn
Firestone Tire & Rubber Co 1200 Firestone Parkway Akron Ohio "Life Protector"
Fisk Tire Co Div of U S Rubber Co 1230 Ave of the Americas New York 20 N Y
Gates Rubber Co., 999 S. Broadway, Denver 17, Colo. **"Gates Vulco."**
General Tire & Rubber Co., Englewood & Holmes Ave., Akron, Ohio.
Goodrich Tire Co B F 500 S Main St Akron Ohio
Goodyear Tire & Rubber Co., E. Market St Akron 16, Ohio.
Inland Rubber Corp 515 Newman St Mansfield Ohio
Kelly-Springfield Tire Co P O Box 300 Cumberland Md
Laher Tire & Rubber Co of Calif 26th & Magnolia Sts Oakland Calif "Mustang"
Lee Rubber & Tire Corp., Conshohocken, Pa.
Life Protector—See Firestone Tire & Rubber Co.
McCreary Tire & Rubber Co Box 700 Indiana Pa
Mansfield Tire & Rubber Co 515 Newman St Mansfield Ohio "Century" "Mansfield"
Miller Rubber Co., Div. of B. F. Goodrich Co., 500 S. Main St., Akron, Ohio.
Mohawk Rubber Co., 1235 Second St., Akron 5, Ohio.
Mustang—See Laher Tire & Rubber Co of Calif
Norwalk—See Armstrong-Norwalk Rubber Corp
Penn-Craft—See Pennsylvania Tire Co
Pennsylvania Tire Co P O Box 377 Mansfield Ohio "Penn-Craft"
Polson Rubber Co Garrettsville Ohio "Airlox" "Champion" & "Polson"
Pure Oil Co 35 E Wacker Drive Chicago 1 Ill
Robbins Tire & Rubber Co Box 230 Tuscumbia Ala
Schenuit Rubber Co Frank S Railroad & Union Aves Baltimore 11 Md
Selberling Rubber Co., Akron 9, Ohio.
Thorobred—See Dayton Rubber Co.
U S Royal—See United States Rubber Co
United States Rubber Co Rockefeller Center 1230 Ave of the Americas New York 20 N Y "U S Royal"

TUBES, PORCELAIN—See Insulators, Spark Plug

TUBES, Spacer

Federal-Mogul Div Federal-Mogul-Bower Bearings Inc 11031 Shoemaker Ave Detroit 13 Mich (Steel or Aluminum)

TUBING, Aluminum

Alcoa—See Aluminum Co. of America.
Alumiflex—See Everhot Products Co
Aluminum Co of America 1501 Alcoa Bldg Pittsburgh 19 Pa "Alcoa"
Anaconda Aluminum Co P O Box 1654 Louisville Ky
Colonial Alloys Co Ridge Ave & Crawford St Philadelphia 29 Pa
Everhot Products Co 2001 W Carroll Ave Chicago 12 Ill "Alumiflex"
Formed Tubes Inc S Prairie & Albert Sts Sturgis Mich
Harvey Aluminum 19200 S Western Ave Torrance Calif
Linderme Tube Co., 1500 E. 219th St., Cleveland 17, Ohio. (Seamless.)
Olin Mathieson Chemical Corp Metals Div 400 Park Ave N Y 22 N Y
Penn Brass & Copper Co 3837 W 20th St Erie Pa "Quality" (Seamless copper)
Precision Tube Co Church Rd & Wissahickon Ave North Wales Pa
Quality—See Penn Brass & Copper Co
Reynolds Metals Co 6601 Broad St Richmond 19 Va
Roll Formed Products Inc 3765 Oakwood Ave Youngstown Ohio
United Wire & Supply Corp 1497 Elmwood Ave Providence 7 R I
Wolverine Tube Div of Calumet & Hecla Inc 17200 Southfield Rd Allen Park Mich

TUBING, Brass and Copper

American Brass Co 414 Meadow St Waterbury 20 Conn "Anaconda"
American Brass Co French Small Tube Div 128 Robbins St Waterbury 20 Conn "Anaconda"
Anaconda—See American Brass Co
Bridgeport Brass Co 30 Grand St Bridgeport 2 Conn
Chase Brass & Copper Co 236 Grand St Waterbury 20 Conn
Everflex—See Everhot Products Co
Everhot Products Co 2001 W Carroll Ave Chicago 12 Ill **"Everflex"** (Copper)
Exello Accessories Mfrs Inc 81 Madison Ave Hempstead N Y
Formed Tubes Inc S Prairie & Albert Sts Sturgis Mich
H & H Tube & Mfg Co 263 N Forman St Detroit 17 Mich
Kensico Tube Co., Hubbell's Cross Rd., Mt Kisco, N. Y. (Copper.)
Linderme Tube Co 1500 E 219th St Cleveland 17 Ohio (Seamless copper)
Mueller Brass Co 1925 Lapeer Ave Port Huron Mich (Copper)
National Copper & Smelting Co., 1862 E 123rd St., Cleveland 6, Ohio.
National Ignition Mfg Co 521 W 23rd St N Y 11 N Y (Copper)
Penn Brass & Copper Co 3537 W 20th St Erie Pa "Quality" (Seamless copper)
Perfect Parts Inc 43 W 23rd St N Y 10 N Y (Copper)
Planet Metal Products Corp 964 Dean St Brooklyn 38, N Y (Copper)
Precision Tube Co Church Rd & Wissahickon Ave North Wales Pa
Preferred Electric & Wire Co Bush Terminal Bldg No 8 Brooklyn 32 N Y (Copper)
Quality—See Penn Brass & Copper Co
Revere Copper and Brass Inc., 230 Park Ave., New York 17, N. Y.
Roll Formed Products Co 3765 Oakwood Ave Youngstown Ohio
Scovill Mfg. Co., 99 Mill St., Waterbury 20, Conn. (Brass.)
Superior Tube Co P O Box 191 Norristown Pa (Beryllium copper)
United Wire & Supply Corp., 1497 Elmwood Ave., Providence 7, R. I.
Velvac Inc 2534 W Pierce St Milwaukee 15
Wells & Co A H 177 E Aurora St Waterbury Conn
Wolverine Tube Div of Calumet & Hecla Inc 17200 Southfield Rd Allen Park Mich

TUBING CLIPS—See Clips, Cable and Tubing (Auto)

TUBING CUTTERS—See Cutters, Tubing

TUBING, DEFROSTER—See Hose, Defroster

TUBING, FIBRE—See Fibre, Hard

TUBING FITTINGS—See Fittings, Tube

TUBING, FLEXIBLE CONTROL—See Conduit, Flexible Car Wiring

TUBING, Flexible Metallic

(Crimped or wound tubing for exhaust piping, carburetors, heaters, speedometer shaft coverings, wire coverings, etc.; see also Tubing, Oil and Gasoline Line)

Alexander-Tagg Industries Inc Jacksonville Rd & Summit Ave Hatboro Pa
Almond—See D'Nomlart Inc
Anaconda Metal Hose Div American Brass Co 698 S Main St Waterbury 20 Conn
Atlantic Metal Hose Co 308 Dyckman St New York 34 N Y (For exhaust gas air oil etc)
Continental Rubber Works 1946 Liberty St Erie Pa
Co-Operative Industries Inc 100 Oakdale Rd Chester N J "Duraflex"
D'Nomlart Inc 100 Maple St Ashburnham Mass "Almond"
Duoflex—See Flexico Products Inc
Duraflex—See Co-Operative Industries Inc
Econoflex—See Universal Metal Hose Co
Flexico Products Inc Middlesex Ave & Factory St Metuchen N J "Duoflex"
Flexonics Corp Automotive Div 2021 S Latham St Memphis Tenn
Forsyth Metal Goods Co Elm St East Aurora N Y
Gabriel Co 1523 E 45th St Cleveland 3 Ohio
International Metal Hose Co Ashford Ave Bellevue Ohio
Mulconroy Co 54th & Jefferson Sts Philadelphia 31 Pa
Nicroflex—See Universal Metal Hose Co
Perma Loc—See Ryder Mfg Co
Revere Copper and Brass Inc 230 Park Ave N Y 17 N Y
Ryder Mfg Co 220 N Ada St Chicago 7 Ill "Perma Loc"
Steelflex—See Universal Metal Hose Co
Titeflex Inc Hendee St Springfield 4 Mass (For gas oil air lines exhaust connections etc)
Universal Metal Hose Co 2133 S Kedzie Ave Chicago 23 Ill "Econoflex" "Steelflex" "Nicroflex"

TUBING, HARD RUBBER—See Rubber, Hard

TUBING, IGNITION — See Conduit, Flexible Car Wiring

TUBING, Monel

Bundy Tubing Co 8109 E Jefferson Ave Detroit 14 Mich "Bundyweld"

TUBING, Nickel Silver

American Brass Co French Small Tube Div 128 Robbins St Waterbury 20 Conn "Anaconda" (Small diameter)
Anaconda—See American Brass Co
United Wire & Supply Corp 1497 Elmwood Ave Providence 7 R I

TUBING, Oil and Gasoline Line

AC Spark Plug The Electronics Div of General Motors 1300 N Dort Highway Flint 2 Mich (Flexible)
Aeroquip Corp 300 S East Ave Jackson Mich (Flexible with fittings)
Amcor—See American Coupling Corp
American Coupling Corp 2335 Goodrich St Ferndale 20 Mich "Amcor" (Flexible)
Anaconda Metal Hose Div American Brass Co 698 S Main St Waterbury 20 Conn (Flexible with fittings)
Anchor Coupling Co., 342 N. Fourth St., Libertyville, Ill. (Flexible.)
Andrew Parts Mfg Co 32-70 31st St Long Island City 6 N Y
Atlantic Metal Hose Co 308 Dyckman St New York 34 N Y
Avon Tube Div of Higbie Mfg Co Charles St Rochester Mich
Champ-Items Inc 6191 Maple Ave St Louis 14 Mo
Copperflex—See Everhot Products Co
Coronet Parts Mfg Co 883 Elton Ave Brooklyn 8 N Y (Flexible and solid)
Danco—See Danielson Mfg Co

TUBING, Oil and Gasoline Line — continued

Danielson Mfg Co Danielson Conn **"Danco"** (Nylon)
Edelman & Co E 2232 Logan Blvd Chicago 47 Ill (Flexible)
Electric Hose & Rubber Co 12th & Dure Sts Wilmington Del
Everflex—See Everhot Products Co
Everhot Products Co 2001 W Carroll Ave Chicago 12 Ill "Everflex" "Copperflex" (Flexible)
Excello Accessories Mfrs Inc 81 Madison Ave Hempstead N Y (Flexible)
Flex-Gas—See Motive Equipment Mfrs Inc
Flexonics Corp Automotive Div 2021 S Latham St Memphis Tenn
Gates Rubber Co 999 S Broadway Denver 17 Colo
Imperial Brass Mfg Co 6300 W Howard St Chicago 31 Ill (Flexible)
Lightnin—See R J Loock & Co
Loock & Co R J 343 N Gay St Baltimore Md "Lightnin"
Motive Equipment Mfrs Inc 5253 W Roosevelt Rd Chicago 50 Ill "Flex-Gas" (Flexible non-metallic with fittings)
National—See Wheel Parts & Mfg Co
National Copper & Smelting Co 1862 E 123rd St Cleveland 6 Ohio
Penn Brass & Copper Co 3837 W 20th St Erie Pa "Quality" (Seamless)
Perfect Parts Inc 43 W 23rd St New York 10 N Y (Flexible)
Preferred Electric & Wire Co Bush Terminal Bldg No 8 Brooklyn 32 N Y
Quality—See Penn Brass & Copper Co
Republic Gear Co 2197 Beaufait Ave Detroit 7 Mich
Republic Steel Corp Steel & Tube Div 224 E 131st St Cleveland 8 Ohio
Resistoflex Corp Woodland Rd Roseland N J (Flexible with fittings)
Steel and Tubes Div., Republic Steel Corp., 224 E. 131st St., Cleveland 8, Ohio.
Titeflex Inc Hendee St Springfield 4 Mass (All-metal flexible)
United States Gasket Co Plastic Div of Garlock Camden 1 N J
United Wire & Supply Co 1497 Elmwood Ave Providence 7 R I
Weatherhead Co Ft Wayne Div 128 W Washington Blvd Ft Wayne Ind (Flexible non-metallic)
Wheel Parts & Mfg Co 352 Fourth Ave N Y 10 N Y "National"

TUBING, PLASTIC — See Plastics — Sheets, Rods, Tubes and Filaments

TUBING, Rubber

Bowling Green Rubber Co 4143 Monroe St Toledo 13 Ohio
Cooper Tire & Rubber Co Lima & Western Aves Findlay Ohio
Faultless Rubber Co 263 Fourth St Ashland Ohio
Firestone Tire & Rubber Co 1200 Firestone Parkway Akron Ohio
Garlock Packing Co 402 Main St Palmyra N Y
Goodrich Tire Co B F 500 S Main St Akron Ohio
Hewitt-Robins Inc 666 Glenbrook Rd Stamford Conn
Industrial Rubber Goods Co St Joseph Mich
Kuehn Co N L 3747 N Booth St Milwaukee 12 Wis
Manhattan—See Raybestos-Manhattan Inc Manhattan Rubber Div
Mechanical Rubber Products Co Warwick N Y
Mercer Rubber Co Hamilton Square N J
Ohio Rubber Co 300 Ben Hur Ave Willoughby Ohio "Orco"
Orco—See Ohio Rubber Co
Raybestos-Manhattan Inc Manhattan Rubber Div 61 Willet St Passaic N J "Manhattan"
Rubatex Div Great American Industries Inc Bedford Va (Cellular)
Servwell Products Co 6519 Euclid Ave Cleveland 3 Ohio
Standard Products Co 2130 W 110th St Cleveland 2 Ohio
United States Rubber Co Rockefeller Center 1230 Ave of the Americas New York 20 N Y

TUBING, Steel

Alexander-Tagg Industries Inc Jacksonville Rd & Summit Ave Hatboro Pa
Allegheny-Ludlum Steel Corp 2020 Oliver Bldg Pittsburgh 22 Pa
American Metal Products Co 5959 Linsdale Ave Detroit 4 Mich
Armco Steel Corp 703 Curtis St Middletown Ohio (Welded cold rolled and coated)
Arvin Industries Inc 13th St & Big Four RR Columbus Ind
Avon Tube Div of Higbie Mfg Co Charles St Rochester Mich "Fusionweld"
Babcock & Wilcox Co Tubular Products Div Beaver Falls Pa (Seamless and welded carbon alloy and stainless)
Bethlehem Steel Co Bethlehem Pa
Brainard Steel Div Sharon Steel Corp 390 Griswold St Warren Ohio
Bundy Tubing Co 8109 E Jefferson Ave Detroit 14 Mich "Bundy" "Bundyweld"
Bundyflex—See Everhot Products Co
Bundyweld—See Bundy Tubing Co
Carpenter Steel Co Alloy Tube Div Springfield Rd Union N J (Stainless)
Contour Trentweld—See Trent Tube Co
Dana Corp 4100 Bennett Rd Toledo 1 Ohio "Spicer" (Welded)
Detroit Universal Div Chrysler Corp 6455 Kingsley Ave Dearborn 1 Mich (Welded)
Electrunite—See Republic Steel Corp Steel and Tube Div
Elkhart Welding & Boiler Works Inc 2132 S Main St Elkhart Ind
Enduro—See Republic Steel Corp Steel and Tube Div
Everhot Products Co 2001 W Carroll Ave Chicago 12 Ill "Bundyflex" (Copper coated)
Falls Steel Tube & Mfg Co., 418 Center St Newton Falls Ohio
Fitzsimmons Mfg Co 3775 E Outer Drive Detroit 34 Mich (Welded)
Formed Tubes Inc S Prairie & Albert Sts Sturgis Mich
Fusionweld—See Avon Tube Div of Higbie Mfg Co
GM — See Rochester Products Div General Motors Corp
Hofmann Industries Inc Shillington Rd Sinking Spring Pa (Welded)
Jones & Laughlin Steel Corp 3 Gateway Center Pittsburgh 30 Pa
Mefco—See Metal Forming Corp
Metal Forming Corp 1937 Sterling Ave Elkhart Ind "Mefco" (Welded stainless monel and nickel alloy)
Michigan Seamless Tube Co 400 West Ave South Lyon Mich (Cold drawn seamless)
Michigan Steel Tube Products Div Standard Tube Co 24400 Plymouth Rd Detroit 39 Mich (Electric welded)
Monroe Auto Equipment Co 1426 E First St Monroe Mich
National Tube Div United States Steel Corp 525 Wm Penn Pl Pittsburgh 30 Pa "U S S Shelby" (Seamless; "U S S National" stainless)
Nikoh Tube Co 5000 S Whipple St Chicago 32 Ill (Electric welded)
Ohio Seamless Tube Div of Copperweld Steel Co 132 W Main St Shelby Ohio "Ostuco" (Seamless; "Ohio Special Quality" welded)
Ostuco—See Ohio Seamless Tube Div
Pittsburgh Steel Co 1600 Grant Bldg Pittsburgh 30 Pa (Seamless)
Pittsburgh Tube Co 212 Wood St Pittsburgh 22 Pa (Cold drawn butt welded)
Porter Inc H K 74 Foley St Somerville 43 Mass "Speedlok" (Coupling for hydraulic jacks)
Pressed Steel Co 705 N Pennsylvania Ave Wilkes-Barre Pa (Welded alloy)
Republic Steel Corp Steel and Tube Div **224 E 131st St Cleveland 8 Ohio "Electrunite"** "Enduro" "Electrunite" (Stainless)
Revere Copper and Brass Inc 230 Park Ave N Y 17 N Y
Rochester Products Div General Motors Corp 1000 Lexington Ave Rochester 3 N Y "GM"
Rockrite—See Tube Reducing Corp.
Rolled Formed Products Co 3765 Oakwood Ave Youngstown Ohio (Stainless)
Ryerson & Son Inc Joseph T 16th & Rockwell Sts Chicago Ill
Sawhill Tubular Products Inc Sharon Pa (Welded, Shenango Div; seamless and welded; Agaloy Div)
Service Steel Div Van Pelt Corp P O Box 532 Detroit 32 Mich (Cold drawn)
Speedlok—See H K Porter Co
Spicer—See Dana Corp
Standard Tube Co 24400 Plymouth Rd Detroit 39 Mich (Welded also stainless)
Superior Tube Co P O Box 191 Norristown Pa "Weldrawn" (Stainless carbon and alloy)
Timken Roller Bearing Co (Steel & Tube Div) 1835 Dueber Ave S W Canton 6 Ohio (Seamless)
Tippecanoe—See Tube Products Corp
Toledo Steel Tube Co 2115 Smead Ave Toledo Ohio (Welded)
Trent Tube Co East Troy Wis "Trentweld" "Contour Trentweld" (Stainless welded and high alloy)
Tube Products Corp 120 N 2nd St Tipp City Ohio "Tippecanoe"
Tube Reducing Corp 520 Main St Wallington N J "Rockrite" (Seamless carbon alloy and stainless)
U S S National—See National Tube Div United States Steel Co
U S S Shelby—See National Tube Div United States Steel Co
Weldrawn—See Superior Tube Co
Wheatland Tube Co 1300 Bankers Securities Bldg Juniper & Walnut Sts Philadelphia 7 Pa
Yoloy—See Youngstown Sheet & Tube Co
Youngstown Sheet & Tube Co P O Box 900 Youngstown 1 Ohio "Yoloy" (Electric welded)

TUBING, Synthetic Material

Acme Mfg & Gasket Co., 738 N. 41st St., Philadelphia 4, Pa. "Tygon."
Acme Rubber Mfg Co 115 Meade St Trenton N J "Acme Flexrite" (Neoprene for garage exhaust systems)
Airtron—See Arrowhead Products Div
Arrowhead Products Div of Federal-Mogul-Bower Bearings Inc 11031 Shoemaker Rd Detroit Mich "Airtron" (Rubber impregnated fiberglass)
Car-Mon Products Inc 1541 Devon St Chicago 26 Ill "Car-Mon Nu-Flex" (Neoprene for garage exhaust systems)
Chemiseal—See Garlock Packing Co
Crushproof Tubing Co 312 Park Blvd Cleveland 14 Ohio (Neoprene for garage exhaust systems)
Engwald Corp 125 Sherman Blvd Inwood L I N Y "Exhaust O-vent" (Neoprene for exhaust systems)
Exhaust O-vent—See Engwald Corp
Garlock Packing Co 402 Main St Palmyra N Y "Chemiseal" (Nylon)
Irvington Varnish & Insulator Div of Minnesota Mining & Mfg Co 6 Argyle Terrace Irvington 11 N J "Irv-O-Volt" "Irv-O-Lite" "Temflex" (Plastic)
Irv-O-Lite—See Irvington Varnish & Insulator Co.
Irv-O-Volt—See Irvington Varnish & Insulator Co.
Kent-Moore Organization Inc 28635 Mound Rd Warren Mich "Mono-Flex" (Neoprene for garage exhaust systems)
Mono-Flex — See Kent-Moore Organization Inc
Nylaflow—See Polymer Corp
Ohio Rubber Co 300 Ben Hur Ave Willoughby Ohio "Orco"
Orco—See Ohio Rubber Co
Polymer Corp 2120 Fairmont Ave Reading Pa "Nylaflow" (Nylon)
Resistoflex Corp Woodland Rd Roseland N J (Flexible)
Roberts Toledo Rubber Co 4143 Monroe St Toledo 13 Ohio
Rodic Rubber Corp Garwood N J
Saylor & Son Frank D 13095 Greeley Ave Detroit 3 Mich "Saylortube" (Woven fiberglas)
Servwell Products Co 6519 Euclid Ave Cleveland 3 Ohio
Snyder & Son Inc M L 1827 E York St Philadelphia 25 Pa **"Snyder Standard"** (Plastic)
Temflex—See Irvington Varnish & Insulator Div
Tygon—See Acme Mfg & Gasket Co
United States Gasket Plastics Div of Garlock Packing Co Palmyra N Y

TUBING, Windshield Wiper

Acme Rubber Mfg Co 115 Meade St Trenton N J
Bowling Green Rubber Co 4143 Monroe St Toledo 13 Ohio
Buckeye Rubber Products Inc 637 N Jackson St Lima Ohio "Universal"
Continental Rubber Works 1946 Liberty St Erie Pa "Vitalic"
Crown Products Co 5722 S 77th St Ralston Neb
Dallas Mfg & Sales Co P O Box 7181 Dallas Tex "Guard-A"
Dayton Rubber Co 2342 Riverview Ave (Box 1004) Dayton Ohio
Durkee-Atwood Co 215 Seventh St N E Minneapolis 13 Minn
Gates Rubber Co., 999 S. Broadway, Denver 17, Colo.
Globe Rubber Products Corp 3333 N Lawrence St Philadelphia 40 Pa
Goodrich Tire Co B F 500 S Main St Akron 18 Ohio
Guard-A—See Dallas Mfg & Sales Co
Raybestos Div of Raybestos-Manhattan Inc 75 E Main St Stratford 2 Conn
Servwell Products Co., 6519 Euclid Ave., Cleveland 3, Ohio.
Sure-Rite—See Warehouse Dist Co

Trico Products Corp., 817 Washington St. Buffalo 3, N. Y.
Universal—See Buckeye Rubber Products Inc
Victor Instrument Mfg Co 33 W 60th St New York 23 N Y
Vitalic—See Continental Rubber Works
Warehouse Distributing Co 3810 N 19th St Philadelphia 40 Pa "Sure-Rite"

TUMBLING BARRELS—See Barrels, Burnishing and Tumbling

TUNGSTEN

Fansteel Metallurgical Corp 2200 Sheridan Rd North Chicago Ill
Metal Carbides Corp 107 E Indianola Ave Youngstown 7 Ohio "Talide"
Talide—See Metal Carbides Corp

TUNGSTEN CARBIDE CUTTING ALLOYS—See Alloys, Cutting

TURBINE METERS—See Meters, Turbine

TURNING EQUIPMENT—See Lathes

TURBOCHARGERS, Engine

(See also Controls, Turbocharger)

AiResearch—See Garrett Corp
Garrett Corp AiResearch Industrial Div 9225 S Aviation Blvd Los Angeles 45 Calif "AiResearch" (Diesel)
Schwitzer Corp 1125 Massachusetts Ave Indianapolis 7 Ind (Exhaust driven)
Thompson Products Valve Div Thompson-Ramo-Wooldridge Inc 1455 E 185th St Cleveland 10 Ohio (Diesel)

TURNTABLES, Automobile

Anchor Steel & Conveyor Co 6906 Kingsley Ave Dearborn Mich
Kirk-Ezee Inc 54 Brooklyn Ave Westbury N Y
Macton Machinery Co Dyke Lane Stamford 4 Conn

TURNTABLES, Industrial

American Monorail Co., 13107 Athens Ave., Cleveland 7, Ohio. (Monorail)
Anchor Steel & Conveyor Co 6906 Kingsley Ave Dearborn Mich
Atlas Car & Mfg Co 1130 Ivanhoe Rd Cleveland Ohio (Manual and motorized)
Logan Co Cabel St Louisville 6 Ky
Macton Machinery Co Dyke Lane Stamford 4 Conn
Mathews Conveyer Co 102 Tenth St Ellwood City Pa
Revolvator Co 2026 86th St North Bergen N J

TWINE, Tufting

American Forest Products Co Box 911 Norristown Pa

UNDERBODY COATINGS—See Insulation, Heat and Sound (Liquid)

UNDERCOATS, Oil-Base

(For nitro-cellulose and pyroxylin finishes)

Arco Co 7301 Bessemer Ave Cleveland 27 Ohio
Forbes Finishes Div Pittsburgh Plate Glass Co 3800 W 143rd St Cleveland 11 Ohio
Glidden Co 900 Union Commerce Bldg Cleveland 14 Ohio
Indiana Indestructible Paint Co 1245 Belmont Ave Chicago Ill "Stippaleen"
Martin-Senour Co 2520 Quarry St Chicago 8 Ill
R-M—See Rinshed-Mason Co
Rinshed-Mason Co 5935 Milford St Detroit 10 Mich "R-M"
STC—See Standard-Toch Chemicals Inc
Standard-Toch Chemicals Inc 2600 Richmond Terrace Staten Island 3 N Y "STC"
Stippaleen—See Indiana Indestructible Paint Co

UNDERCOATS, Pyroxylin Base

(For nitro-cellulose and pyroxylin finishes)

Acme Quality Paints Inc 8250 St Arbin Ave Detroit 11 Mich "Proxlin"
Arco Co 7301 Bessemer Ave Cleveland 27 Ohio "Arcozon"
Arcozon—See Arco Co
Automotive Finishes Inc 8747 Brandt St Dearborn Mich "Puttikote" "Rusterize"
Ditz-Lac—See Ditzler Color Div Pittsburgh Plate Glass Co
Ditzler Color Div Pittsburgh Plate Glass Co 8000 W Chicago Ave Detroit 4 Mich "Ditz-Lac"
du Pont de Nemours & Co E I Finishes Div Refinish Sales Wilmington 98 Del "Preparakote"
Glidden Co 900 Union Commerce Bldg Cleveland 14 Ohio
Opex—See Sherwin-Williams Co
Preparakote—See E I du Pont de Nemours & Co
Proxlin—See Acme Quality Paints Inc
Puttikote—See Automotive Finishes, Inc.
R-M—See Rinshed-Mason Co.
Rinshed-Mason Co., 5935 Milford St., Detroit 10, Mich. "R-M."
Rusterize—See Automotive Finishes, Inc.
Sherwin-Williams Co 101 Prospect Ave N W Cleveland 1 Ohio "Opex"
Standard-Toch Chemicals Inc 2600 Richmond Terrace Staten Island 3 N Y "Standlac"
Standlac—See Standard-Toch Chemicals Inc

UNDERCOATS, Synthetic Resin Base

Acme Quality Paints Inc 8250 St Aubin Ave Detroit 11 Mich "Proxlin"
American Lacquer Solvents Co., Perkiomen Junction, Phoenixville, Pa. "Quix."
American Paint Co 902 Larrabee St Chicago 10 Ill "Dalax" (For commercial vehicles)
Arco Co 7381 Bessemer Ave Cleveland 27 Ohio "Synlte"
Automotive Finishes Inc 8747 Brandt St Dearborn Mich "Fleet-Lux"
Dalax—See American Paint Co.
Ditzco—See Ditzler Color Div., Pittsburgh Plate Glass Co
Ditzler Color Div., Pittsburgh Plate Glass Co., 8000 W. Chicago Blvd., Detroit 4, Mich. "Ditzco."
Fleet-Lux—See Automotive Finishes, Inc.
Forbes Finishes Div Pittsburgh Plate Glass Co 3800 W 143rd St Cleveland 11 Ohio "Synco" "Raybake"
Kem—See Sherwin-Williams Co
Martin-Senour Co 2500 Senour Ave Chicago 8 Ill
Proxlin—See Acme Quality Paints Inc
Quix—See American Lacquer Solvents Co.
R-M—See Rinshed-Mason Co.
Raybake—See Forbes Finishes Div., Pittsburgh Plate Glass Co.
Rinshed-Mason Co., 5135 Milford St., Detroit 10, Mich. "R-M."
Sherwin-Williams Co 101 Prospect Ave N W Cleveland 1 Ohio "Kem"
Standard-Toch Chemicals Inc 2600 Richmond Terrace Staten Island 3 N Y "Stantox"
Stantox—See Standard-Toch Chemicals Inc
Synco—See Forbes Varnish Co
Synlte—See Arco Co
Zac-Lac Paint & Lacquer Corp 350 Simpson St NW Atlanta 13 Ga

UNLOADERS, AUTOMATIC (FOR PRESSES, DIE CASTING MACHINES, ETC—See Loaders and Unloaders, Automatic

UNIONS, TUBING—See Fittings, Tube

UNITS, Tool Control

Cross Co 17801 E 14 Mile Rd Fraser Mich
Royal Design & Mfg Inc 4133 E Ten Mile Rd Centerline Mich
Seibert & Sons Inc 1008 E 24th St Chenoa Ill

UNITS, Threading (Transfer Machine)

Sheffield Corp 721 Springfield St Dayton 1 Ohio

UNIVERSAL JOINT PARTS—See Discs, Universal Joint; also Parts, Universal Joint

UNIVERSAL JOINTS—See Joints, Universal

UPHOLSTERY MATERIALS AND SUPPLIES

See following heads:
Bindings, Upholstery
Fabric, Coated Cloth (For Seat Covers, Tops and Upholstery, etc.)
Fabric, Plastic (Upholstery and Seat Cover)
Fabrics, Upholstery (Woven Cloth)
Fasteners, Upholstery and Seat Cover
Felt, Upholstery
Moss, Upholstery
Webbing, Jute and Cotton

UPSETTING MACHINES — See Machines, Forging

V BLOCKS—See Blocks V

VACUUM CLEANERS — See Cleaners, Vacuum (Industrial)

VACUUM FURNACES — See Furnaces, Vacuum

VACUUM PUMPS—See Pumps, Vacuum

VACUUM TANKS—See Tanks, Air and Vacuum (Brake)

VACUUM TESTING MACHINES — See Machines, Pressure and Vacuum Testing

VALVE CORES—See Valve Cores (Tire)

VALVE DUST CAPS—See Caps, Tire Valve

VALVE FITTINGS, ENGINE — See Guides, Valve (Engine); Retainers, Valve Spring; Rotators, Valve Poppet; Screws, Valve Tappet Adjusting; Seats, Valve; Shafts, Valve Rocker Arm; Springs, Small (Flat or Coil); also Tappets, Valve

VALVE CORES (Tire)

Acme Air Appliance Co 205 Newman St Hackensack N J
Bowes "Seal Fast" Corp 5902 E 34th St Indianapolis 8 Ind
Bridgeport Brass Co 30 Grand St Bridgeport 2 Conn
Dill Mfg Co 700 E 82nd St Cleveland 3 Ohio
Druge Bros Mfg Co 888 92nd Ave Oakland 3 Calif (Sole distributors Tru-Flate Inc 888 92nd Ave Oakland 3 Calif)
Planet Metal Products Corp 964 Dean St Brooklyn 38 N Y
Schrader's Son Div of Scovill Mfg Co A 470 Vanderbilt Ave Brooklyn 38 N Y
Syracuse Gauge Co P O Box 51 Manlius N Y

VALVES, Air Brake

ABA—See Air Brake Accessories Inc
Air Brake Accessories Inc 250 N Western Ave Chicago 12 Ill "ABA" (Breakaway)
Bendix-Westinghouse Automotive Air Brake Co 901 Cleveland Rd Elyria Ohio (Relay emergency)
Berg Mfg & Sales Co 1712 S Michigan Blvd Chicago 16 Ill (Breakaway)
George Mfg 10 Harvey St Philadelphia 44 Pa (Automatic)
Midland-Ross Corp Owosso Div 490 S Chestnut St Owosso Mich
PB—See Power Brake Parts Mfg Co
Power Brake Equipment Co 1632 S E 11th St Portland 14 Ore "Williams"
Power Brake Parts Mfg Co 3435 S Racine Ave Chicago 8 Ill "PB"
Sealco Air Brakes Inc 13530 Nelson Ave City of Industry Calif (Breakaway)
Sweetland Corp 940 N Fair Oaks Ave Pasadena Calif (For trucks trailers and buses)
Talco Engrg Co P O Box 847 Falcon Field Mesa Ariz (Breakaway)
Wagner Electric Corp 6400 Plymouth Ave St Louis 33 Mo
Williams—See Power Brake Equipment Co

VALVES, Air Tank Drain (Automatic)

(See also Cocks, Pet (Drain, Gasoline, Air, etc.))

Auto-Flush—See Wilkerson Corp
Baker Mfg Co 5660 W River Rd Maine City Mich "Expello"
Champion Pneumatic Machinery Co 825 N Pleasant St Princeton Ill
Drain Master—See Master Equip Corp
Drain-O-Matic—See Wilkerson Corp
Dri-R-Air—See Quincy Compressor Co
Dritank—See L L Hamilton Co
Expello—See Baker Mfg Co
George Mfg Co 10 Harvey St Philadelphia 44 Pa
Hamilton Co L L 23 N W 10th St Oklahoma City Okla "Dritank" (For brakes and compressors)
Master Equipment Corp P O Box 55 Dayton 1 Ohio "Drain Master"
NP—See National Pneumatic Co
National Pneumatic Co 125 Amory St Boston 19 Mass "NP"
Quincy Compressor Co 217 Maine St Quincy Ill "Dri-R-Air"
Wagner Electric Corp 6400 Plymouth Ave St Louis 33 Mo
Wilkerson Corp 1601 W Girard Ave Englewood Colo "Auto-Flush" "Drain-O Matic"

VALVES, Air Tank Drain (Non-Automatic)

Power Brake Parts Mfg Co 3435 S Racine Ave Chicago 8 Ill "PB" (Truck trailer and bus)

VALVES, Check
Kohler Co Kohler Wis

VALVES, Control (Heating, Ventilating and Air Conditioning) (Auto)
Dole Valve Co 6201 Oakton St Morton Grove Ill

VALVES, Electromagnetic (Auto)
(For fuel shutoff, oil shutoff and hydraulic control)

General Controls Co 801 Allen Ave Glendale 1 Calif "Hi-g"

VALVES, Engine Poppet
(For valves in the rough—See Forgings)

Accuralite—See American Hammered Auto Repl Div
Aluminum Industries Inc 3670 Werk Rd Cincinnati 11 Ohio "Permite"
American Hammered Automotive Replacement Div of Sealed Power Corp Accuralite Div 2001 Sanford St Muskegon Mich "Accuralite"
Andrew Parts Mfg Co 32-70 31st St Long Island City 6 N Y
Eaton Mfg Co Saginaw Div 1000 Rust St Saginaw Mich
Eaton Mfg Co Valve Div 20th St Battle Creek Mich
Elgin Machine Works Inc 412 N State St Elgin Ill
Ertel Products Co Repl Div of Ertel Mfg Corp 1402 E 20th St Indianapolis 7 Ind
Jambor Tool & Stamping Co 3057 N 30th St Milwaukee 10 Wis
National—See Wheel Parts & Mfg Co
Parco—See Parts Mfg Co
Par-Plus—See Parts Processing Corp
Parts Mfg Co 311 W 66th St New York 23 N Y "Parco"
Parts Processing Corp 1499 E Michigan Ave Battle Creek Mich "Par-Plus" (For trucks and buses)
Perfect Parts Inc 43 W 23rd St N Y 10 N Y
Permite—See Aluminum Industries Inc
RMC—See Rich Mfg Co
Remco Products Corp State & Hay Sts York Pa
Rich Mfg Corp 96 N Division St Battle Creek Mich "RMC"
Saco - Lowell Automotive Div Saco - Lowell Shops 10340 Putnam Ave Detroit Mich
Sealed Power Corp 2001 Sanford St Muskegon Heights Mich
Superior—See White Machine Works
Thompson Products Valve Div Thompson-Ramo-Wooldridge Inc 1455 E 185th St Cleveland 10 Ohio
Toledo Steel Products Div of Thompson-Ramo-Wooldridge Inc 6402 Cedar Rd Cleveland 3 Ohio
Wheel Parts & Mfg Co 352 Fourth Ave N Y 10 N Y "National"
White Machine Works, 1401 Bellevue Ave., Eau Claire, Wis. "Superior."

VALVES, Flow Control (Temperature and Pressure)
Vickers Inc Machinery Hydraulic Div Adm & Engrg Center Detroit 32 Mich

VALVES, Hydraulic
BHEW—See Benton Harbor Engrg Works Inc
Barnes Corp John S 301 S Water St Rockford Ill
Bendix Lakeshore Div Bendix Aviation Corp Lake Shore Drive St Joseph Mich
Benton Harbor Engrg Works Inc 622 Langley Ave Benton Harbor Mich "BHEW"
Flo-Set—See Hanna Engrg Works
Hanna Engrg Works 1765 Elston Ave Chicago 22 Ill "Flo-Set"
Humphrey Products Div of General Gas Light Co 220 N Park St Kalamazoo Mich (Pneumatic-hydraulic)
Hydreco—See New York Air Brake Co
Logansport Machine Co 860 Center Ave Logansport Ind
Muncie Parts Mfg Co 2601 S Jefferson St Muncie Ind
New York Air Brake Co Hydreco Div Kalamazoo Mich "Hydreco"
Parker Hydraulics Div Parker-Hannifin Corp 17325 Euclid Ave Cleveland 12 Ohio
Rivett Inc Dept A1-5 Brighton 35 Boston Mass
Ross Operating Valve Co 120 E Golden Gate Ave Detroit 3 Mich (Low pressure)
S-P Mfg Corp 30201 Aurora Rd Solon Ohio
Sundstrand Machine Tool Div of Sundstrand Corp Belvidere Ill
Vickers Inc Machinery Hydraulic Div Administrative & Engrg Center Detroit 32 Mich (Electro-hydraulic)
Webster Electric Co 1900 Clark St Racine Wis

VALVES, Needle
Imperial Brass Mfg Co 6300 W Howard St Chicago 31 Ill

VALVES, Safety or Emergency
(For safeguarding contents of tanks)

Betts Machine Co 1800 Pennsylvania Ave W Warren Pa
Consolidated—See Manning Maxwell & Moore Inc
McDonald Mfg. Co., A. Y., 12th & Pine Sts., Dubuque, Iowa.
Manning Maxwell & Moore Inc Consolidated Ashcroft Hancock Div Stratford Conn "Consolidated"
Morrison Bros. Co., 2401 Elm St., Dubuque, Iowa.
Norgren Co C A 3400 S Elati St Englewood Calif
Philadelphia Valve Co., Aramingo Ave. & Ontario St., Philadelphia 34, Pa.
S & J—See Shand & Jurs Co.
Shand & Jurs Co 2600 Eighth St Berkeley 10 Calif "S & J" (Truck tank)

VALVES, Tire
Acme Air Appliance Co 205 Newman St Hackensack N J
Bridgeport Brass Co., 30 Grand St., Bridgeport 2, Conn.
Chem—See Patch Rubber Co
Dill Mfg Co 700 E 82nd St Cleveland 3 Ohio
Druge Bros Mfg Co 888 92nd Ave Oakland 3 Calif (Sole distributors Tru-Flate Inc 888 92nd Ave Oakland 3 Calif)
Goodrich Tire Co B F 500 S Main St Akron Ohio
Goodyear Tire & Rubber Co 1144 E **Market** St Akron 16 Ohio
Patch Rubber Co P O Box 933 Akron 9 Ohio "Chem"
Rite-Way Products Co 39 W E H Crump Blvd Memphis 2 Tenn
Schrader's Son Div of Scovill Mfg Co A 470 Vanderbilt Ave Brooklyn 38 N Y

VALVES, Two-Way, Three-Way and Four-Way
(Fuel reserve valve or cocks)

Adel Precision Products Div of General Metals Corp 1444 Washington Ave Huntington 4 W Va (Hydraulic four-way)
Allenair Corp 255 E Second St Mineola N Y (Air)
Anderson Brass Co 100 S Campbell Ave Detroit 9 Mich "Kantleak"
Asco—See Automatic Switch Co
Automatic Switch Co Hanover Rd Florham Park N J "Asco"
Barnes Corp John S 301 S Water St Rockford Ill (Hydraulic)
Bellows Co 222 W Market St Akron 9 Ohio (Air)
Betts Machine Co 1800 Pennsylvania Ave W Warren Pa "Warren"
Buckeye Iron & Brass Works 324 E Third St Dayton 1 Ohio
Dukes Co 3999 N 25th Ave Schiller Park Ill (Hydraulic for oil)
Flo-Line—See Hanna Engrg Works
Gardner-Denver Co S Front St Quincy Ill (Air)
Hanna Engrg Works 1765 Elston Ave Chicago 22 Ill "Unitite" (Hand operated: "Mastair" air; "Flo-Line" solenoid and master)
Hannifin Co 543 S Wolf Rd Des Planes Ill "Hannifin" "Lap Seal" "P-M "(Air)
Humphrey Products Div of General Gas Light Co 220 N Park St Kalamazoo Mich (Pneumatic-hydraulic for air oil water etc)
Imperial Brass Mfg Co 6300 W Howard St Chicago 31 Ill
Kantleak—See Anderson Brass Co
Lap-Seal—See Hannifin Co
Logansport Machine Co 860 Center St Logansport Ind
MAC—See Mechanical Air Controls Inc
Mastair—See Hanna Engrg Works
Mechanical Air Controls Inc 10030 Capital Ave Detroit 37 Mich "MAC" (Air)
Morrison Bros. Co., 2401 Elm St., Dubuque, Iowa
New Products Corp 3636 Oakton St Skokie Ill
P-M—See Hannifin Co
Ross Operating Valve Co 120 E Golden Gate Ave Detroit 3 Mich (Solenoid)
S-P Mfg Corp 30201 Aurora Rd Solon Ohio (Air)
Schrader's Son A Div of Scoville Mfg Co 470 Vanderbilt Ave Brooklyn 38 N Y
Skinner Electric Valve Div Skinner Chuck Co **Edgewood Ave New Britain Conn** (Solenoid)
Unitite—See Hanna Engrg Works
Valvair Corp 454 Morgan Ave Akron Ohio (Air)
Warren—See Betts Machine Co
Waterman Engrg Co 725 Custer St Evanston Ill (Solenoid)
Weatherhead Co Ft Wayne Div 128 W Washington Blvd Ft Wayne Ind

VANADIUM ALLOY—See Alloys, Vanadium

VANADIUM METAL
Vanadium Corp. of America, 420 Lexington Ave., New York 17, N. Y. "Vancorom."

VANADIUM STEEL—See Steel, Vanadium

VAPORIZERS, LP-Gas—See Regulators, Adaptors and Vaporizers, LP-Gas

VARIABLE SPEED DRIVES (MACHINE TOOL)—See Drives, Variable Speed (Machine Tool)

VARNISH DRYERS—See Dryers, Japanning and Varnish

VARNISHES, Laminating (For Producing of Laminated Plastics)
Dow Corning Corp Midland Mich (Silicone)

VENTILATING FANS—See Fans, Defrosting and Ventilating, Electric (Auto)

VENTILATORS, Bus and Truck
Evans Products Co 13101 Eckles Rd Plymouth Mich (Bus and truck cab)
Service Products Corp 201 S Rural St Indianapolis 1 Ind

VENTILATORS, Cowl
Excel Corp 1120 N Main St Elkhart Ind "XL" (Truck)
National Aluminum Co., 1912 Frederick St., Racine, Wis.
Rex Metal Parts Co., 1295 W. 78th St., Cleveland 2, Ohio.
Service Products Corp 201 S Rural St Indianapolis 1 Ind
XL—See Excel Corp

VENTILATORS, Crankcase
(See also Caps, Crankcase Breather)

AC Spark Plug The Electronics Div of General Motors 1300 N Dort Highway Flint 2 Mich
Donaldson Co 666 Pelham Blvd St Paul 14 Minn
Fram Corp Pawtucket Ave Providence 16 R I
Monarch Tool & Machinery Co., 3235 S. Racine Ave., Chicago 8, Ill.
Olidex Corp 418 E Second St Tulsa Okla
Ryder Mfg. Co., 220 N. Ada St., Chicago 7, Ill.

VENTILATORS, Hood
Service Products Corp 201 S Rural St Indianapolis 1 Ind

VENTILATORS, Roof
Aerovent—See Columbus Metal Products Co.
Columbus Metal Products Co., 1341 Norton Ave., Columbus 8, Ohio. "Aerovent." (Bus.)
Evans Products Co 13101 Eckles Rd Plymouth Mich (Power driven for trucks)
H & P Die & Stamping Co 13945 Triskett Rd Cleveland 11 Ohio (For bus, truck and trailer)

VENTILATORS, Screened (Upholstery)
Defiance Button Machine Co., 43 W. 24th St., New York, N. Y.
Handy Button Machine Co 2255 S Rockwell St Chicago 8 Ill

VENTILATORS, Trailer
Lydon-Bricker Mfg Co 2500 University Ave St Paul 14 Minn
Service Products Corp 201 S Rural St Indianapolis 1 Ind
Servwell Products Co 6519 Euclid Ave Cleveland 3 Ohio "X-Haler" (House)
Tompkins H S 188 Chambers St New York 7 N Y
Woodlin Metal Products Co Div Muskegon Motor Specialties Co Marshall Mich (House)
X-Haler—See Servwell Products Co

VENTS, Tank Body

Buckeye Iron & Brass Works 324 E Third St Dayton 1 Ohio
McDonald Mfg. Co., A. Y., 12th & Pine Sts., Dubuque, Iowa.
Morrison Bros. Co., 2401 Elm St., Dubuque, Iowa.
Philadelphia Valve Co., Aramingo Ave. & Ontario St., Philadelphia 34, Pa.
Protectoseal Co., 1920 S. Western Ave., Chicago 8, Ill.

VERNIER GAGES — See Gages, Vernier, Height

VIBRATION ABSORPTION ISOLATORS (FOR MACHINERY)—See Isolators, Vibration Absorption (For Machinery)

VIBRATION DAMPERS—See Dampers, Vibration (Engine)

VIBRATION MEASURING INSTRUMENTS— See Instruments, Vibration Measuring

VISCOSIMETERS

Bristol Co Waterbury 20 Conn
Precision Scientific Co., 3737 W. Cortland St., Chicago 47, Ill.
Visco-Meter Corp., 315 Grote St., Buffalo 7, N. Y. (Auto oil.)

VISES, Drill Press

Airlox—See Production Devices, Inc.
Albertson & Co 3100 Lowell Ave Sioux City 3 Iowa "Sioux"
Allen Industries Alva 35 & 13 Junction Clinton Mo
Armstrong Bros Co 5200 W Armstrong Ave Chicago 46 Ill
Athol Machine & Foundry Co 82 South St Athol Mass
Atlas Press Co 1842 N Pitcher St Kalamazoo 13D Mich
Barker—See Thomas Hoist Co.
Brown Engineering Co 131 N 3rd St Reading Pa
Brown & Sharpe Mfg. Co., 235 Promenade St., Providence, R. I.
Buck Mfg Co 1355 N Tenth St San Jose Calif "Bux" (Magnetic)
Burke—See U S-Burke Machine Tool Div
Bux—See Buck Mfg Co
Champion Blower & Forge Co., Harrisburg Ave. & Charlotte St., Lancaster, Pa.
Chicago Tool & Engrg Co 8383 South Chicago Ave Chicago Ill
Desmond-Stephan Mfg. Co., 317 S. Walnut St., Urbana, Ohio. "Desmond Simplex."
Do All Co 254 N Laurel Ave Des Plaines Ill
Graham Mfg. Co., 47 Bridge St., East Greenwich, R. I.
Heinrich Tools Inc 2707 Industrial Drive Racine Wis "Heinrich Grip-Master"
J & S Tool Co 87 Dorsa Ave Livingston N J
Kenco Mfg Co 5211 Telegraph Rd Los Angeles 22 Calif
Lisle Corp 809 E Main St Clarinda Iowa
Logansport Machine Co 860 Center Ave Logansport Ind (Pneumatic and hydraulic)
Mead Specialties Co 4114 N Knox Ave Chicago 41 Ill (Pneumatic)
Millers Falls Co 57 Wells St Greenfield Mass
Production Devices Inc Davis St Whitehall N Y "Airlox" (Pneumatic or hydraulic)
Sioux—See Albertson & Co
Skinner Chuck Co 95 Edgewood Ave New Britain Conn
Steptoe—See Western Machine Tool Co
Thomas Hoist Co 20 S Hoyne Ave Chicago 12 Ill "Barker"
U S-Burke Machine Tool Div Cincinnati Mfg Corp Brotherton Rd Cincinnati 27 Ohio "Burke" & "U S"
Universal Engrg Co 126 N Main St Frankenmuth Mich
Universal Vise & Tool Co Parma Mich
Western Machine Tool Co 255 W Ninth St Holland Mich "Steptoe"
Wilton Tool Mfg Co 9525 W Irving Park Rd Schiller Park Ill
Yost Mfg Co 124 Grant St Cambridge Springs Pa (Also pneumatic)

VISES, Machinists' Bench

Airlox—See Production Devices, Inc.
Athol Machine & Fdry Co 82 South Ave Athol Mass
Benchmaster Mfg Co 1835 W Rosecrans Ave Gardena Calif
Columbian Vise & Mfg Co 9013 Bessemer Ave Cleveland 4 Ohio
Desmond-Stephan Mfg. Co., 317 S. Walnut St., Urbana, Ohio. "Desmond Simplex."
Gorton Machine Co George 1131 W 13th St Racine Wis
Heinrich Tools Inc 2707 Industrial Drive Racine Wis (Pneumatic)
Kennedy Service Tool Co 788 Evans Ave Akron 5 Ohio
Littlestown Hardware & Foundry Charles St Littlestown Pa
Millers Falls Co 57 Wells St Greenfield Mass
Parker Co Charles 50 Hanover St Meriden Conn **"Parker" & "Prentiss"**
Prentiss—See Chas Parker Co
Production Devices Inc Davis St Whitehall N Y "Airlox" (Pneumatic or hydraulic)
Producto Machine Co 990 Housatonic Ave Bridgeport 1 Conn
Reed Mfg Co Box 1321 Erie Pa
Torco—See Wilton Tool Mfg Co
Wilton Tool Mfg Co 9525 W Irving Park Rd Schiller Park Ill "Torco" "Wilton"
Yost Mfg Co 124 Grant St Cambridge Springs Pa

VISES, Milling Machine

Airlox—See Production Devices, Inc.
Athol Machine & Foundry Co 82 South St Athol Mass
Bellows Co., 222 W. Market St., Akron 9, Ohio. (Pneumatic.)
Brown Engrg Co 131 N 3rd St Reading Pa
Browne & Sharpe Mfg. Co., 235 Promenade St., Providence, R. I.
Burke—See U S-Burke Machine Tool Div
Chicago Tool & Engrg Co 8383 South Chicago Ave Chicago Ill
Desmond-Stephan Mfg Co 317 S Walnut St Urbana Ohio "Desmond Simplex"
Graham Mfg Co 47 Bridge St East Greenwich R I
Index Machine & Tool Co 543 N Mechanic St Jackson Mich
J & S Tool Co 87 Dorsa Ave Livingston N J
Kearney & Trecker Corp 6800 W National Ave Milwaukee 14 Wis
Kempsmith Machine Co 1819 S 71st St West Allis 14 Wis
Kenco Mfg Co 5211 Telegraph Rd Los Angeles 22 Calif
Knight Machinery Co W B 3920 W Pine St St Louis 8 Mo
Logansport Machine Co 860 Center Ave Logansport Ind "Logan" (Pneumatic and hydraulic)
Mead Specialties Co 4114 N Knox Ave Chicago 41 Ill (Pneumatic)
Production Devices Inc Davis St Whitehall N Y "Airlox" (Pneumatic or hydraulic)
Skinner Chuck Co 95 Edgewood Ave New Britain Conn
Steptoe—See Western Machine Tool Co
U S-Burke Machine Tool Div Cincinnati Mfg Corp Brotherton Rd Cincinnati 27 Ohio "Burke" & "U S"
Universal Engineering Co 126 N Main St Frankenmuth Mich
Universal Vise & Tool Co Parma Mich
Van Norman Machine Co 3610 Main St Springfield 7 Mass
Western Machine Tool Co 255 W Ninth St Holland Mich "Steptoe"
Wilton Tool Mfg Co 9525 W Irving Park Rd Schiller Park Ill

VISES, Toolmakers'

Brown & Sharpe Mfg. Co., 235 Promenade St., Providence, R. I.
Chicago Tool & Engrg Co 8383 South Chicago Ave Chicago Ill
Covel Mfg. Co., Graham Ave., Benton Harbor, Mich.
J & S Tool Co 87 Dorsa Ave Livingston N J
Producto Machine Co., 990 Housatonic Ave., Bridgeport 1, Conn.
Reed Mfg Co Box 1321 Erie Pa
Yost Mfg Co 124 Grant St Cambridge Springs Pa (Also pneumatic)

VISES, Universal Machine

Airlox—See Production Devices, Inc.
Brown & Sharpe Mfg. Co., 235 Promenade St., Providence, R. I.
J & S Tool Co 87 Dorsa Ave Livingston N J
Production Devices Inc Davis St Whitehall N Y "Airlox" (Pneumatic or hydraulic)
Wesson Co 12200 Woodward Heights Blvd Ferndale 20 Mich (Carbide)

VISORS, Windshield

Acme Specialty Mfg Co 2298 Smead Ave Toledo 6 Ohio (Outside plastic)
Airform—See Charles Peckat Mfg Co
Arvey Corp., 6401 E. Nevada Ave., Detroit 34, Mich.
Detroit Gasket & Mfg Co 12640 Burt Rd Detroit 23 Mich
Fulton Co., 1912 S. 32nd Ave., Milwaukee 14, Wis. (Inside and outside.)
Hemco—See Henry Mfg Co
Henry Mfg Co 1310 Marquette St Minneapolis Minn "Hemco" (Inside transparent)
Jacobs Co F L 1043 Spruce St Detroit 32 Mich
Master Automotive Chemicals Inc 37 Preston Ct Brooklyn 34 N Y "Sheeld" (Inside transparent)
Peckat Mfg Co Charles 110 Madison St Maywood Ill "Airform" & "Peckat" (Outside)
Peerless Novelty Co., First & Fulton Sts., Grand Haven, Mich.
Repco—See Rockford Engineered Products Co
Rockford Engineered Products Co 2324 23rd Ave Rockford Ill "Repco" (Combination map and sun visor)
Safe-T-Zone—See Visionade Mfg Co
Sheeld—See Master Automotive Chemicals Inc
Sunfilter—See Visionade Mfg Co
Visionade Mfg Co 200 Kosciusko St Brooklyn 16 N Y "Safe-T-Zone" "Sunfilter" "Visionade" (Inside transparent)
Vision-Visor Corp 831 S Wabash Ave Chicago 5 Ill (Transparent outside)
Wilco—See Wilson Co
Wilson Co 959 Commonwealth Ave Boston Mass "Wilco"
Woodall Industries Inc 7565 E McNichols Rd Detroit 34 Mich

VOLTAGE REGULATORS—See Regulators, Generator Current & Voltage (Auto)

VOLTMETERS — See Ammeters, Instrument Board; also Ammeters and Voltmeters (Including Switchboard)

WADDING and BATTING, Cotton

American Auto-Felt Corp 630 Myrtle St N W Grand Rapids 2 Mich
Burkart Mfg Co F Div of Textron Inc 4900 N Second St St Louis 7 Mo "Burkhart"; "Burkaire" (Plastic bonded cotton batts)

WARNING LIGHTS—See Lamps, Warning

WASHER CUTTERS—See Cutters, Washer and Gasket

WASHER PUNCHES—See Punches, Arch or Washer

WASHERS, Aluminum

Acme Mfg. & Gasket Co., 738 N. 41st St., Philadelphia 4, Pa.
Aluminum Co of America 1501 Alcoa Bldg Pittsburgh 19 Pa
American Nut & Bolt Fastener Co 2029 Doerr St Pittsburgh 33 Pa
Detroit Stamping Co 350 Midland Ave Detroit 3 Mich
Fitzgerald Mfg Co 691 Main St Torrington Conn
Freeway Washer & Stamping Co P O Box 1756 Cleveland 5 Ohio
Garrett Co George K Torresdale Ave at Tolbut St Philadelphia 36 Pa
Gasket Packing & Specialty Co 41 N Saxon Ave Bay Shore L I N Y
Hercules Fastener Corp 2722 N Clybourn Ave Chicago 14 Ill "Sturdi-Bolt"
Hill Nut Co., 2620 W. Flournoy St., Chicago 12, Ill.
Master Products Co 6400 Park Ave S E Cleveland 5 Ohio
Penn Fibre & Specialty Co 2024 E Westmoreland St Philadelphia 34 Pa
Philadelphia Gasket & Mfg. Co., F & Atlantic Sts., Philadelphia 34, Pa.
Press Work Inc Lead Alloy Products Div 9100 Roselawn Ave Detroit 4 Mich
Sturdi-Bolt—See Hercules Fastener Corp
Superior Wrought Washer Co 1951 W 90th St Cleveland 2 Ohio
Weil-Ransom Co 816 Fulton St Chicago Ill
Wisconsin Gasket & Mfg Co 8724 N Granville Rd Granville Wis
Wrought Washer Mfg Co 2107 S Bay St Milwaukee 7 Wis

WASHERS, Brass, Bronze and Copper

American Brass Co Fabricated Metal Goods Div 26 Crane St Waterbury 20 Conn
Cannon Bronze Corp Keithsburg Ill (Crankshaft (Bronze)
Detroit Stamping Co 350 Midland Ave Detroit 3 Mich
Federal-Mogul Div Federal-Mogul-Bower Bearings Inc 11031 Shoemaker Ave Detroit 13 Mich "Federaloy" (Bronze)
Federaloy—See Federal-Mogul Div

WASHERS, Brass, Bronze and Copper—continued

Garrett Co George K Torresdale Ave at Talbut St Philadelphia 36 Pa
Hubbard Spring Mfg Co M D 646 Central Ave Pontiac Mich
Keystone Gasket Mfg Co 833 N Fourth St Philadelphia 23 Pa
Press Work Inc Lead Alloy Products Div 9100 Roselawn Ave Detroit 4 Mich

WASHERS, CORK—See Gaskets, Cork

WASHERS, Felt

(See also Felt, Sheet)

Afco—See American Felt Co
American Felt Co Glenville Conn "Afco"
Auburn Mfg Co Pease Ave & Stack St Middletown Conn
Bacon Felt Co 427 W Water St Taunton Mass "Paramount"
Booth Felt Co 1726 Tenth Ave Brooklyn 15 N Y
Continental-Felt Co 22 W 15th St New York 11 N Y "Vel-Fel"
Felters Co 210 South St Boston 11 Mass
Keystone Gasket Mfg Co 833 N Fourth St Philadelphia 23 Pa
Paramount—See Bacon Felt Co
Rhodes & Co James H 1026 W Jackson Blvd Chicago Ill
Vel-Fel—See Continental Felt Co

WASHERS, FIBRE—See Washers, Insulation (Composition, Fibre, Mica and Rubber)

WASHERS, Finishing

Acme Mfg & Gasket Co 738 N 41st St Philadelphia 4 Pa
Alimetal Screw Products Co 821 Stewart Ave Garden City N Y (Stainless steel)
Atlas Tack Corp 1079 Pleasant St Fairhaven Mass
Bergander Mfg Co 2129 Warner Ave Chicago 18 Ill "Gulmite"
Continental Screw Co 100 Mt Pleasant St New Bedford Mass "Holtite"
Diamond G—See George K. Garrett Co.
Garrett Co George K Torresdale Ave at Talbut St Philadelphia 36 Pa "Diamond G"
Gulmite—See Bergander Mfg Co
Hill Nut Co., 2620 W. Flournoy St., Chicago 12, Ill.
Holtite—See Continental Screw Co.
Master Products Co 6400 Park Ave S E Cleveland 5 Ohio
Wrought Washer Mfg Co 2107 S Bay St Milwaukee 7 Wis

WASHERS, Insulation (Composition, Fibre, Mica and Rubber)

Acme Mfg. & Gasket Co., 738 N. 41st St., Philadelphia 4, Pa.
Auburn Mfg. Co., Pease Ave. & Stack St., Middletown, Conn. (Fibre.)
Brandywine Fibre Products Co 15th & Poplar Sts Wilmington Del (Fibre)
Champ-Items Inc 6191 Maple Ave St Louis Mo (Fibre)
Excelsior Leather Washer Mfg Co 720 Chestnut St Rockford Ill "X-L"
Franklin Fibre-Lamitex Corp 18th St E of Market St Wilmington Del (Bakelite and hard fibre)
Hill Nut Co., 2620 W. Flournoy St., Chicago 12, Ill.
Keystone Gasket Mfg Co 833 N Fourth St Philadelphia 23 Pa
Kuehn Co N L 3747 N Booth St Milwaukee 12 Wis
Latex Fiber Industries Inc Beaver Falls N Y "Lexide" (Composition fibre and rubber)
Lexide—See Latex Fiber Industries Inc
Manhattan — See Raybestos-Manhattan Inc Manhattan Rubber Div
Martindale Electric Co 1340 Hird Ave Cleveland 7 Ohio (Fibre washer assortment)
Mechanical Rubber Products Co Warwick N Y
National Vulcanized Fibre Co Maryland Ave & Beech St Wilmington 99 Del (Fibre)
Penn Fibre & Specialty Co 2024 E Westmoreland St Philadelphia 34 Pa (Fibre)
Preferred Electric & Wire Co Bush Terminal Bldg No 8 Brooklyn 32 N Y (Fibre)
Raybestos-Manhattan Inc Manhattan Rubber Div 61 Willet St Passaic N J "Manhattan"
Standard Products Co 2130 W 110th St Cleveland 2 Ohio
Taylor Fibre Co Norristown 49 Pa (Fibre)
Wilmington Fibre Specialty Co New Castle Del
Wisconsin Gasket Mfg. Co., 8724 N. Granville Rd., Granville, Wis.
X-L—See Excelsior Leather Washer Mfg Co

WASHERS, Iron and Steel

Akron-Selle Co High & Chestnut Sts Akron 11 Ohio
Alimetal Screw Products Co 821 Stewart Ave Garden City N Y (Stainless steel)
American Nut & Bolt Fastener Co 2029 Doerr St Pittsburgh 33 Pa
Detroit Stamping Co 350 Midland Ave Detroit 3 Mich
Hubbard Spring Mfg Co M D 646 Central Ave Pontiac Mich
Keystone Gasket Mfg Co 833 N Fourth St Philadelphia 23 Pa
Kongislow Mfg Co Otto 3600 Perkins Ave Cleveland 14 Ohio
Reed & Prince Mfg Co 1 Duncan Ave Worcester 1 Mass

WASHERS, LEAD and LEAD ALLOY—See Gaskets, Lead and Lead Alloy

WASHERS, LEATHER—See Gaskets, Leather

WASHERS, Lock

(See also Nuts, Lock & Self-Locking)

Acme Mfg. & Gasket Co., 738 N. 41st St., Philadelphia, Pa.
Alimetal Screw Products Co 821 Stewart Ave Garden City N Y (Stainless steel)
American Nut & Bolt Fastener Co., 2029 Doerr St., Pittsburgh 33, Pa. "Antilink," "Kantlink." (Carbon steel, stainless steel, bronze and aluminum)
American Screw Co 1670 W Main St Williamantic Conn "Sems" (Pre-assembled lock washer and screw; licensees)
Anti-Corrosive Metal Products Co Castleton-on-Hudson N Y (Stainless steel)
Antilink—See American Nut & Bolt Fastener Co
Autoscrew Co., 216 W. 18th St., New York, N. Y. (Steel.)
B & H—See Butcher & Hart Mfg. Co.
Beall Tool Div Unit Rail Anchor Corp East Alton Ill "Kantlink"
Butcher & Hart Mfg Co 4601 Cortland Ave Altoona Pa "B & H"; "B & H Sems" (Preassembled lock washer and screw)
Central Screw Co., 3501 S. Shields Ave., Chicago 9, Ill. "Sems." (Pre-assembled lock washer and screw; licensees.)
Chase Brass & Copper Co 236 Grand St Waterbury 20 Conn (Bronze)
Continental Screw Co 100 Mt Pleasant St New Bedford Mass "Holtite" and "Lock-Tite" (Also "Sems" pre-assembled lock **washer and screw)**
Diamond G—See George K. Garrett Co.
Dorman Products Inc 1004 Sycamore St Cincinnati 2 Ohio
Eaton Mfg Co Reliance Div 25 Charles Ave SE Massillon Ohio "Reliance"; Eaton Springtites (Pre-assembled lock washer and screw; licensees; "Tenz Nut" pre-assembled nut and lock washer)
Everlock—See Thompson-Bremer & Co.
Garrett Co George K Torresdale Ave at Talbut St Philadelphia 36 Pa "Diamond G"
General Pressed Metal Corp 926 Wolf St Syracuse 8 N Y
Hercules Fastener Corp 2722 N Clybourn Ave Chicago 14 Ill "Sturdi-Bolt" (Steel; pre-assembled lock washer and screw; licensees)
Hill Nut Co., 2620 W. Flournoy St., Chicago 12, Ill.
Holtite—See Continental Screw Co
Kantlink—See American Nut & Bolt Fastener Co; Beall Tool Div; National Lock Washer Co
Keps—See Shakeproof Div of Illinois Tool Works
Lamson & Sessions Co 5000 Tiedeman Rd Cleveland 9 Ohio "Lamson" **"Sems" (Pre-**assembled lock washer **and screw;** licensees)
Lightnin—See R J Loock & Co
Link-Belt Co Dept 59-A 1 P G Prudential Plaza Chicago 1 Ill (For locking bearings on shaft)
Lock-Tite—See Continental Screw Co
Lok-Crowner—See Rawlplug Co.
Loock & Co R J 349 N Gay St Baltimore Md "Lightnin"
National Lock Co 1902 Seventh St Rockford Ill
National Lock Washer Co., 40 Hermon St., Newark 5, N. J. "Kantlink."
National Screw & Mfg Co 2440 E 75th St Cleveland 4 Ohio "Sems" (Pre-assembled lock washer and screw; licensees; "Tuff-Tite" pre-assembled lock washer and screw)
Never-Slip—See Philadelphia Steel & Wire Corp
Palnut Co 54a Glen Rd Mountainside N J
Perfect Parts Inc 43 W 23rd St N Y 10 N Y
Pheoll Mfg Co 5700 W Roosevelt Rd Chicago 50 Ill "Sems" (Pre-assembled lock washer and screw)
Philadelphia Steel & Wire Corp (Lock Washer Div) Penn St & Bellfield Ave Philadelphia 44 Pa "Never-Slip"
Promco—See Torrington Co
Rawlplug Co 200 Petersville Rd New Rochelle N Y "Lok-Crowner" (Combination lock washer and crowner)
Reliance—See Eaton Mfg Co
Rockford Screw Products Co 2501 Ninth St Rockford Ill "Sems" (Assembled)
Russell Burdsall & Ward Bolt & Nut Co Port Chester N Y "Sems" (Licensees)
SKF Industries Inc Front St & Erie Ave Philadelphia 32 Pa
St Louis Screw & Bolt Co 6900 N Broadway St Louis 15 Mo
Sems—See American Screw Co; Central Screw Co; Continental Screw Co; Hercules Fastener Corp; Lamson & Sessions Co; National Screw & Mfg Co; Pheoll Mfg Co; Rockford Screw Products Co; Russel Burdsall & Ward Bolt & Nut Co; Sterling Bolt Co
Sems-by-Shakeproof—See Shakeproof Div of Illinois Tool Works
Shakeproof Div of Illinois Tool Works St Charles Rd Elgin Ill ("Shakeproof"; "Sems-by-Shakeproof" Preassembled lock washer and screw; licensors; "Keps" pre-assembled nut and lock washer)
Standard Locknut & Lockwasher Co 2250 Valley Ave Indianapolis 18 Ind (For ball and roller bearings)
Sterling Bolt Co 363 W Erie St Chicago 10 Ill "Sems" (Pre-assembled lock washer and screw, licensees)
Sturdi-Bolt—See Hercules Fastener Corp
Tenz Nut—See Eaton Mfg Co
Thompson-Bremer & Co 228 N La Salle St Chicago 1 Ill "Everlock" "Everlock Sems" (Preassembled washer and screw)
Torrington Co 59 Field St Torrington Conn "Promco"
Tuff-Tite—See National Screw & Mfg Co
United Screw & Bolt Corp 3590 W 58th St Cleveland O
Whittet-Higgins Co P O Box 1613, Providence 1 R I (For ball and roller bearings)
Wrought Washer Mfg Co 2107 S Bay St Milwaukee 7 Wis

WASTERS, MICA—See Mica Sheets, Tubes, Washers and Cores; also Washers, Insulation (Composition, Fibre, Mica and Rubber)

WASHERS and BURRS, Riveting

American Nut & Bolt Fastener Co. 2029 Doerr St., Pittsburgh 12, Pa.
Freeway Washer & Stamping Co P O Box 1756 Cleveland 5 Ohio (Burrs)
Hill Nut Co., 2620 W. Flournoy St., Chicago 12, Ill.
Master Products Co 6400 Park Ave S E Cleveland 5 Ohio
Stimpson Co., Edwin. 70 Franklin Ave., Brooklyn, N. Y.
Superior Wrought Washer Co., 1951 W. 96th St., Cleveland 2 Ohio
United Screw & Bolt Corp 3590 W 58th St Cleveland O
Wrought Washer Mfg Co 2107 S Bay St Milwaukee 7 Wis

WASHERS, PAPER—See Gaskets, Paper

WASHERS, PUMP—See Gaskets, Leather

WASHERS, RUBBER—See Washers, Insulation (Composition, Fibre, Mica and Rubber)

WASHERS, SOLDER—See Gaskets, Lead and Lead Alloy

WASHERS, Spacing

American Nut & Bolt Fastener Co., 2029 Doerr St., Pittsburgh 33, Pa.
Diamond G—See George K. Garrett Co.
Dorman Products Inc 1004 Sycamore St Cincinnati 2 Ohio
Freeway Washer & Stamping Co P O Box 1756 Cleveland 5 Ohio
Garrett Co George K D & Tioga Sts Philadelphia 34 Pa "Diamond G"
Hercules Fastener Corp 2722 N Clybourn Ave Chicago 14 Ill "Sturdi-Bolt"
Keystone Gasket Mfg Co 833 N Fourth St Philadelphia 23 Pa
M-P—See Master Products Co
Master Products Co 6400 Park Ave S E Cleveland 5 Ohio "M-P"
Stevens-Walden Inc 475 Shrewsbury St Worcester Mass
Sturdi-Bolt—See Hercules Fastener Corp
United Screw & Bolt Corp., 3590 W. 58th St., Cleveland, Ohio.

Whitehead Stamping Co 1661 W Lafayette Blvd Detroit 16 Mich
Wisconsin Gasket & Mfg Co 8724 N Granville Rd Granville Wis
Wrought Washer Mfg Co 2107 S Bay St Milwaukee 7 Wis

WASHERS, Star

Hill Nut Co 2620 W Flournoy St Chicago 12 Ill
Master Products Co 6400 Park Ave S E Cleveland 5 Ohio

WASHERS, STEEL—See Washers, Iron and Steel

WASHERS, Steel Spring

American Nut & Bolt Fastener Co., 2029 Doerr St., Pittsburgh 33, Pa.
Barnes Co., Wallace, Div. of Associated Spring Corp., 18 Main St., Bristol, Conn.
Cook Plant of Barnes-Gibson-Raymond Div of Associated Spring Corp 410 E Stadium Blvd Ann Arbor Mich
Freeway Washer & Stamping Co P O Box 1756 Cleveland 5 Ohio
Keystone Gasket Mfg. Co., 833 N. Fourth St., Philadelphia 23, Pa.
M-P—See Master Products Co
Master Products Co 6400 Park Ave S E Cleveland 5 Ohio "M-P"
Shakeproof Div of Illinois Tool Works St Charles Rd Elgin Ill
United Screw & Bolt Corp., 3590 W. 58th St. Cleveland, Ohio.
Wrought Washer Mfg Co 2107 S Bay St Milwaukee 7 Wis

WASHERS, Windshield

(For spraying windshields with water)
Anderson Co 1075 Grant St Gary 40 Ind (Foot operated)
Delco Appliance Div General Motors Corp 391 Lyell Ave Rochester 1 N Y (Electric)
Jet King—See Santay Corp
Kwik-Kleens—See Santay Corp
Santay Corp 351 N Crawford Ave Chicago 24 Ill "Jet King" & "Kwik Kleens" (Foot controlled)
Trico Products Corp 817 Washington St Buffalo 3 N Y

WASHING MACHINES, METAL PARTS—See Machines, Washing (Metal Parts)

WATCHES—See Clocks (Auto)

WATER CIRCULATING THERMOSTATS—See Thermostats, Water Circulating

WATER JACKET COOLERS — See Coolers, Water Jacket (Oil and Gas)

WATER PUMP PARTS — See Belts, Auto (Fan, Water Pump, Generator, etc.) Couplings, Magneto, Generator and Water Pump; Parts, Water Pump; also Shafts, Water Pump

WATER PUMPS—See Pumps, Water Circulating (Auto)

WATER TEMPERATURE INDICATORS—See Gages, Water Temperature Indicating

WATT-HOUR METERS—See Meters, Watt-Hour

WATTMETERS

Esterline-Angus Co P O Box 596 Indianapolis 6 Ind
G-E—See General Electric Co
General Electric Co Apparatus Sales Div 1 River Rd Schenectady 5 N Y "G-E"
Norton Electrical Instrument Co 81 Hilliard St Manchester Conn
Simpson Electric Co Div of American Gage & Machine Co 5208 W Kinzie St Chicago 44 Ill
Weston Instruments Div of Daystrom Inc 614 Frelinghuysen Ave Newark 12 N J

WAYS, Balancing

(See also Machines, Balancing (Industrial))
Anderson Bros Mfg Co 1907 Kishwaukee St Rockford Ill
Sundstrand Machine Tool Div of Sundstrand Corp Belvidere Ill "20th Century"
20th Century—See Sundstrand Machine Tool Div

WEAR RESISTING COMPOUNDS (Metal)—See Compounds, Wear Resisting (Metal)

WEARING PLATES—See Plates, Wearing

WEATHER STRIPS — See Strips, Weather (Windshield, Window, etc.)

WEBBING, Jute and Cotton

American Cord & Webbing Co 374 Broadway N Y 13 N Y
Anchor Webbing Co P O Box 1624 Providence R I (Cotton)
Arbeka Webbing Co 1155 Roosevelt Ave Pawtucket R I (Cotton)
Black Diamond—See Uniform Hood Lace Co
Buffalo Weaving & Belting Co 260 Chandler St Buffalo 7 N Y
Burkart Mfg Co F Div of Textron Inc 4900 N Second St St Louis 7 Mo (Jute)
Georgia Webbing & Tape Co 1340 11th Ave Columbus Ga (Cotton)
Gilmer Co L H Cottman & Keystone Sts (Tacony) Philadelphia Pa (Cotton)
Hope Webbing Co P O Box 1495 Providence 1 R I
Russell Mfg Co Middletown Conn (Cotton)
Southern Weaving Co 4 Evans St Greenville S C
Stevens Co A T 118 E 28th St New York 16 N Y
Sturges Mfg Co 2030 Sunset Ave Utica N Y (Cotton)
Uniform Hood Lace Co 633 E St Clair St Indianapolis Ind "Black Diamond" (Cotton)

WELDERS and EQUIPMENT, Electric (Arc)

Agnew Machine Co 121 S Main St Milford Mich (Automatic)
Air Reduction Sales Co Socony-Mobil Bldg 150 E 42nd St New York 17 N Y "Airco" "Airomatic"
Airco—See Air Reduction Sales Co
Airomatic—See Air Reduction Sales Co
Berkeley-Davis Inc 1021 Bahls St Danville Ill
Birdsell Mfg Co 750 San Antonio Rd Palo Alto Calif
Controlac—See Vickers Inc
Couse Mfg. Inc., 300 Passaic St., Newark 4, N. J. (Mobile.)
Federal Machine & Welder Co 1745 Overland Ave Warren Ohio "Warco"
Forney Mfg 1820 Laporte Ave Ft Collins Colo
Harnischfeger Corp 4400 W National Ave Milwaukee 14 Wis "P & H"
Hobart Bros. Co., Canal Locks Square, Troy 1, Ohio.
Idealarc—See Lincoln Electric Co
Lee Co., K. O., Congress at First Ave., S. E., Aberdeen, S. D.
Lincoln Electric Co 22801 St Clair Ave Cleveland 17 Ohio ("Shield-Arc" "Idealarc" "Lincwelder" Manual; "Lincolnweld" automatic)
Lincolnweld—See Lincoln Electric Co.
Lincwelder—See Lincoln Electric Co
M&T—See Metal & Thermit Corp
Marquette Mfg. Co., 307 E. Hennepin Ave., Minneapolis 14, Minn.
Mercury Electric Co 719 Wyandotte St Kansas City 6 Mo (Also combination bonder and arc welder)
Metal & Thermit Corp 100 E 42nd St N Y 17 N Y "M & T"
Mid-States Welder Mfg Co 6025 S Ashland Ave Chicago 36 Ill (Also stabilizers)
Miller Electric Mfg. Co., 718 S. Bounds St., Appleton, Wis
Morton Mfg Co Broadway & Hoyt St Muskegon Heights Mich
NCG Dual Shield—See National Cylinder Gas Co
National Cylinder Gas Div of Chemetron Corp 840 N Michigan Ave Chicago 11 Ill "Sureweld" "NCG Dual Shield"
P & H—See Harnischfeger Corp
Precision Welder Mfg Co 2218 W Lake St Chicago 12 Ill "Shop-King"
Rexarc—See Sight Feed Generator Co
Shield-Arc—See Lincoln Electric Co.
Shop-King—See Precision Welder Mfg. Co.
Sight Feed Generator Co West Alexandria Ohio "Rexarc" (Automatic)
Smith Corp., A. O., 27th & Hopkins Sts., Milwaukee 1, Wis.
Sureweld—See National Cylinder Gas Div
Swift Ohio Corp 17325 Lamont St Detroit 12 Mich
Taylor-Winfield Corp 1052 Mahoning Ave N W Warren Ohio
Trindl Products Ltd 1807 S Clark St Chicago 16 Ill (Welding)
US Electric Welder Corp., 1258 Dorr St., Toledo 7, Ohio.
Vickers Inc Electric Products Div 1815 Locust St St Louis 3 Mo "Controlac"
Warco—See Federal Machine & Welder Co
Welduction Corp 19400 W Eight Mile Rd Detroit 41 Mich
Weltronic Co 19500 W 8 Mile Rd Detroit 41 Mich (Controls)
Westinghouse Electric Corp Welding Dept Buffalo N Y

WELDERS and EQUIPMENT, Electric (Butt)

A.E.F.—See American Electric Fusion Corp.
Acme Electric Welder Co 2618 Fruitland Ave Los Angeles 58 Cal
Agnew Electric Co 121 S Main St Milford Mich
American Electric Fusion Corp., 2610 Diversey Ave., Chicago 47, Ill. "A.E.F."
DoAll Co., 254 N. Laurel Ave., Des Plaines, Ill.
Federal Machine & Welder Co 1745 Overland Ave Warren Ohio "Warco"
Grob Inc Grafton Wis (For saw blades)
Micro Products Co., 20 N. Wacker Drive, Chicago 6, Ill. "Micro-Weld."
National Electric Welding Machines Co., 1846 N. Trumbull St., Bay City, Mich.
Swift Ohio Corp 17325 Lamont St Detroit 12 Mich
Taylor-Winfield Corp., 1052 Mahoning Ave., N. W., Warren, Ohio.
Thomson Electric Welder Co., 161 Pleasant St., Lynn, Mass
United Welders Inc 1019 Scheurmann St Essexville Mich
Warco—See Federal Machine & Welder Co
Weltronic Co 19500 W 8 Mile Rd Detroit 41 Mich (Controls)

WELDERS and EQUIPMENT, Electric (Flash)

Agnew Machine Co 121 S Main St Milford Mich
Federal Machine & Welder Co 1745 Overland Ave Warren Ohio "Warco"
National Electric Welding Machines Co., 1846 N. Trumbull St., Bay City, Mich.
Precision Welder & Flexopress Corp 3520 Ibsen Ave Cincinnati 9 Ohio
Progressive Welder Sales Co 915 Oakland Ave Pontiac Mich
Resistance Welder Corp Bay City Mich
Sciaky Bros., Inc., 4915 W. 67th St., Chicago 38, Ill. (Flash-butt resistance.)
Swift Ohio Corp 17325 Lamont St Detroit 12 Mich
Taylor-Winfield Corp 1052 Mahoning Ave S W Warren Ohio
Thomson Electric Welder Co., 161 Pleasant St., Lynn, Mass
United Welders Inc 1019 Scheurmann St Essexville Mich
Warco—See Federal Machine & Welder Co

WELDERS and EQUIPMENT, Electric (Seam)

A.E.F.—See American Electric Fusion Corp.
Acme Electric Welder Co 2616 Fruitland Ave Los Angeles 58 Calif
Agnew Machine Co 121 S Main St Milford Mich
American Electric Fusion Corp., 2610 Diversey Ave., Chicago 47, Ill. "A.E.F."
Ampco Metal Inc 1737 S 38th St Milwaukee 46 Wis "Ampco-Weld" (Wheels)
Berkeley-Davis Inc 1021 Bahls St Danville Ill
Federal Machine & Welder Co 1745 Overland Ave Warren Ohio "Warco"
Mallory & Co P R 76 S Gray St Indianapolis 6 Ind (Wheels)
Martin Electric Div Thompson Industries Inc 3040 E Outer Drive Detroit 34 Mich
Morton Mfg Co Broadway & Hoyt St Muskegon Heights Mich
National Electric Welding Machines Co 1846 N Trumbull St Bay City Mich
Precision Welder & Flexopress Corp 3520 Ibsen Ave Cincinnati 9 Ohio
Progressive Welder Sales Co 915 Oakland Ave Pontiac Mich
Resistance Welder Corp Bay City Mich
Sciaky Bros Inc 4915 W 67th St Chicago 38 Ill (Resistance)
Swift Ohio Corp 17325 Lamont St Detroit 12 Mich
Taylor-Winfield Corp 1052 Mahoning Ave N W Warren Ohio
Thomson Electric Welder Co., 161 Pleasant St., Lynn, Mass.
United Welders Inc 1019 Scheurmann St Essexville Mich
Warco—See Federal Machine & Welder Co
Weltronic Co 19500 W 8 Mile Rd Detroit 41 Mich (Controls)

WELDERS and EQUIPMENT, Electric (Spot)

A.E.F.—See American Electric Fusion Corp
Acme Electric Welder Co 2618 Fruitland Ave Los Angeles 58 Calif
Agnew Machine Co 121 S Main St Milford Mich

WELDERS and EQUIPMENT, Electric (Spot)—continued

Air Reduction Sales Co Socony-Mobil Bldg 150 E 42nd St N Y 17 N Y "Aircospot"
Aircospot—See Air Reduction Sales Co
Allen Electric & Equipment Co 2101 N Pitcher St Kalamazoo 13F Mich
American Electric Fusion Corp 2610 Diversey Ave Chicago 47 Ill "A.E.F."
Ampco Metal Inc 1737 S 38th St Milwaukee 46 Wis "Ampco-Weld" (Tips)
Birdsell Mfg Co 750 San Antonio Rd Palo Alto Calif
Farmer Electric Products Co 2300 Washington St Newton Lower Falls Mass "Rototimer" (Time controls)
Federal Machine & Welder Co 1745 Overland Ave Warren Ohio "Warco"
Kirkhof Mfg Corp 2450 Buchanan Ave S W Grand Rapids Mich
Martin Electric Div Thompson Industries Inc 3040 E Outer Drive Detroit 34 Mich
Micro Products Co 20 N Wacker Drive Chicago 6 Ill "Micro-Weld"
Mid-States Welder Mfg Co 6025 S Ashland Ave Chicago 36 Ill (Portable)
Miller Electric Mfg Co 718 S Bounds St Appleton Wis (Portable)
National Cylinder Gas Div of Chemetron Corp 840 N Michigan Ave Chicago 11 Ill "Sureweld" (Portable)
National Electric Welding Machines Co 1846 N Trumbull St Bay City Mich
Peer Inc 1000 Cross St Benton Harbor Mich "Peer" and "Pier-Ace"
Pier-Ace—See Peer, Inc
Precision Welder & Flexopress Corp 3520 Ibsen Ave Cincinnati 9 Ohio
Progressive Welder Sales Co 915 Oakland Ave Pontiac Mich
Resistance Welder Corp Bay City Mich
Rototimer—See Farmer Electric Products Co
S-M-S Corp 8605 Livernois Ave Detroit 4 Mich (Tips)
Schott Metal Products Co 2225 Lee Rd Akron 6 Ohio
Sciaky Bros Inc 4915 W 67th St Chicago 38 Ill (Resistance)
Sittler Corp 18 N Ada St Chicago 7 Ill
Sureweld—See National Cylinder Gas Div
Swift Ohio Corp 17325 Lamont St Detroit 12 Mich
Taylor-Winfield Corp., 1052 Mahoning Ave N W Warren Ohio
Thomson Electric Welder Co 161 Pleasant St Lynn Mass
United Welders Inc 1019 Scheurmann St Essexville Mich
Warco—See Federal Machine & Welder Co
Weltronic Co 19500 W 8 Mile Rd Detroit 41 Mich (Controls)

WELDERS and EQUIPMENT, Electric (Stud)

K S M Products Inc Woodland Ave & Yale Rd Merchantville 8 N J
Nelson Stud Welding Div of Gregory Industries Inc Toledo Ave & E 28th St Lorain Ohio "Nelweld"

WELDERS and EQUIPMENT, Oxy-Acetylene

Airco—See Air Reduction Sales Co
Airomatic—See Air Reduction Sales Co
Air Reduction Sales Co Socony-Mobil Bldg 150 E 42nd St New York N Y "Airco" "Airomatic"
Burdett Oxygen Co of Cleveland Inc 3300 Lakeside Ave Cleveland 14 Ohio "Burdox"
Burdox—See Burdett Oxygen Co of Cleveland Inc
Dockson Co C H 3839 Wabash Ave Detroit 8 Mich (Regulators)
Gasweld—See General Dynamics Corp
General Dynamics Corp Liquid Carbonic Div 135 S La Salle St Chicago 3 Ill "Gasweld"
Harris Colorific Co 5501 Cass Ave NW Cleveland 2 Ohio (Regulators etc)
Linde Co 30 E 42nd St New York 17 N Y N Y "Oxweld" "Prest-O-Weld" "Purox"
Marquette Mfg Co 307 E Hennepin Ave Minneapolis 14 Minn (Portable acetylene generators)
Modern Engrg Co 3411 Pine Blvd St Louis 3 Mo ("Weldmaster"; "Safe-T-Chek" Regulators)
National Cylinder Gas Div of Chemetron Corp 840 N Michigan Ave Chicago Ill "Torchweld"
National Welding Equipment Co 218 Fremont St San Francisco 5 Calif
Oxweld—See Linde Co
Prest-O-Weld—See Linde Co
Purox—See Linde Co
Saf-T-Chek—See Modern Engrg Co
Sight Feed Generator Co West Alexandria Ohio (Acetylene generators)
Smith Welding Equipment Corp 2633 Fourth St S E Minneapolis 14 Minn
Taylor-Winfield Corp 1052 Mahoning Ave NW Warren Ohio
Tolman Mfg Co 19 W Third St (South Boston) Boston 27 Mass
Torchweld—See National Cylinder Gas Div
Victor Equipment Co 844 Folsom St San Francisco 7 Calif
Weldmaster—See Modern Engrg Co

WELDING SUPPLIES — See Blow Pipes, Brazing, Welding and Cutting; Cable, Welding; Compounds, Welding; Dies, Welding; Flux, Brazing, Welding and Soldering; Furnaces, Forging and Welding; Helmets, Sand Blasting and Welding; Hose, Welding; Nuts, Welding; Positioners, Welding; Presses, Welding; Rods, Welding; Torches, Welding, Cutting and Brazing; Welders and Equipment; also Wire, Welding

WELTS, Fender

Automotive Products Div Crotty Corp 39 E Chicago Ave Quincy Mich "YankeeWelt"
Black Diamond—See Uniform Hood Lace Co
Brockton Stay Co., 24 Essex St., Haverhill, Mass.
Carter Co., George R. 630 Lycaste Ave., Detroit, Mich.
DMP—See Detroit Master Products Co
Detroit Gasket & Mfg. Co., 12640 Burt Rd., Detroit 23, Mich.
Detroit Master Products Co 16490 Woodward Ave Detroit 3 Mich "DMP"
Regal Motor Products Inc 6325 Grand River Ave Detroit 8 Mich
Sealtite—See Union Welt Corp
Uniform Hood Lace Co 633 E St Clair St Indianapolis 2 Ind "Black Diamond"
Union Welt Corp 1316 S Pulaski Rd Chicago 23 Ill "Sealtite"
YankeeWelt—See Automotive Products Div Crotty Corp

WELTS, UPHOLSTERY—See Bindings, Upholstery

WHEEL DRESSERS—See Dressers, Grinding Wheel

WHEEL PARTS AND ACCESSORIES—See Controls, Brake (Wheel Spinning); Discs, Wheel; Housings, Wheel and Fender; Hubs, Wheel; Locks; Rims, Wheel (Truck and Bus); Rings, Wheel Trim; Parts, Front End Suspension

WHEEL TESTING EQUIPMENT—See Gages, Wheel and Axle Aligning; Machines, Balancing (Wheel)

WHEELS, Auto, Truck, and Bus (Cast Metal)

Aluminum Co of America 1501 Alcoa Bldg Pittsburgh 19 Pa (Aluminum spoke type for trucks and buses)
Dayton Steel Foundry Co 1366 Miami Chapel Rd Dayton 1 Ohio (Spoke type)
Erie Malleable Iron Co Automotive Wheel Div 609 W 12th St Erie Pa
Gunite Foundries Corp 302 People Ave Rockford Ill (Cast steel truck)

WHEELS, Auto, Truck, and Bus (Disc)

Aluminum Co of America 1501 Alcoa Bldg Pittsburgh 19 Pa (Aluminum for truck and buses)
Budd Wheel Co 12141 E Charelvoix Ave Detroit 14 Mich (Steel)
Firestone Steel Products Co 1600 Firestone Parkway Akron 1 Ohio (Bus and truck)
Kelsey-Hayes Co 3600 Military Ave Detroit 32 Mich (Steel)
Motor Wheel Corp 735 E Saginaw St Lansing 3 Mich "Spoksteel" (Steel)
Spoksteel—See Motor Wheel Corp

WHEELS, Auto, Truck, and Bus (Dual Pneumatic)

Budd Co 12141 E Charlevoix Ave Detroit 14 Mich (Truck)
Dayton Steel Foundry Co 1366 Miami Chapel Rd Dayton Ohio (Truck)
Erie Malleable Iron Co Automotive Wheel Div 609 W 12th St Erie Pa (Truck)
Kelsey-Hayes Co 3600 Military Ave Detroit Mich (Truck)

WHEELS, Auto, Truck, and Bus (Spoke)

Aluminum Co of America 1501 Alcoa Bldg Pittsburgh 19 Pa (Aluminum forged for trucks and buses)
Kelsey-Hayes Co 3600 Military Ave Detroit Mich (Steel)

WHEELS, Buffing and Polishing

Al—See Williamsville Buff Div., Bullard Clark Co
Advance—See Matchless Metal Polish Co
Armstrong Cork Co Industrial Div 7011 Imperial Ave Lancaster Pa (Cork)
Bacon Felt Co 427 W Water St Taunton Mass "Paramount"
Bias Buff & Wheel Co Div Riegel Textile Corp Conover N C
Blue Sisal—See F L & J C Codman Co
Bruce Products Corp 500 N West St Howell Mich "Bruko" (Polishing)
Bruko—See Bruce Products Corp
Champion—See F. L. & J. C. Codman Co.
Cleveland Container Co Abrasive Div 3571 W 62nd St Cleveland 2 Ohio (Polishing)
Codman Co F L & J C Plain St Rockland Mass "Champion" "Nonfray" "Blue Sisal"
Commonwealth Felt Co., 74 Summer St., Boston 9, Mass. "Perfection."
Cutmaster — See Williamsville Buff Div., Bullard Clark Co.
Divine Bros. Co., 200 Seward Ave., Utica 1, N. Y.
Dixon, Inc., William, 32 E. Kinney St., Newark, N. J.
Duplex—See Williamsville Buff Div., Bullard Clark Co.
Felt Products Mfg Co 7460 N McCormick Blvd Skokie Ill
Grind-O-Flex—See Merit Products Inc
H-VW-M—See Hanson-Van Winkle-Munning Co
Hanson-Van Winkle-Munning Co Matawan N J "H-V W-M"
Manhattan—See Raybestos-Manhattan Inc
Matchless Metal Polish Co 340 W 49th Place Chicago Ill "Advance"
Merit Products Inc 4023 Irving Pl Culver City Calif "Grind-O-Flex"
Millers Falls Co 57 Wells St Greenfield Mass
Minnesota Mining & Mfg Co 900 Bush Ave St Paul 6 Minn "PG"
Nonfray—See F L & J C Codman Co
PG—See Minnesota Mining & Mfg Co
Paramount—See Bacon Felt Co
Patch Rubber Co P O Box 933 Akron 9 Ohio "Speed-Clean" (Tire buffing)
Perfection—See Commonwealth Felt Co
Raybestos-Manhattan Inc Manhattan Rubber Div 61 Willet St Passaic N J "Manhattan"
Rhodes & Co James H 1026 W Jackson Blvd Chicago Ill
Salsbury Corp 1161 E Florence Ave Los Angeles 1 Calif "Salsbury Expand-O-Matic" (Buffing)
Schlegel Mfg Co 1555 Jefferson Rd Rochester 23 N Y
Sisal—See Williamsville Buff Div Bullard Clark Co
Speed-Clean—See Patch Rubber Co
Wilco—See Williamsville Buff Div., Bullard Clark Co.
Williamsville Buff Div Bullard Clark Co 35 School St Danielson Conn "Wilco" "A-1" "Duplex" "Cutmaster" "Sisal"

WHEELS, FELT—See Wheels, Buffing and Polishing

WHEELS, Fifth

(For mounting on rear of chassis or vehicle platform so that semi-trailer can be attached)

ASF—See American Steel Foundries

American Steel Foundries Hammond Div Hohman Ave & Hoffman St Hammond Ind "ASF" "Simplex"

Austin Trailer Equipment Co 1148 W Western Ave Muskegon Mich

Bartlett Trailer Corp 3080 Archer Ave Chicago 8 Ill (Hydraulic elevating)

Cemco Industries Inc Galion Ohio (Elevating)

Dayton Steel Foundry Co 1366 Miami Chapel Rd Dayton 1 Ohio

Fontaine Truck Equipment Co 1232 N 37th Place Birmingham Ala "Fontaine" "No-Slack"

Fruehauf Trailer Co 10940 Harper Ave Detroit 32 Mich

Highway Trailer Co 405 E Fulton St Edgerton Wis

Holland Hitch Co 430 W 18th St Holland Mich "Holland-Apgar" "Holland"

Kay-Brunner Steel Products, Inc., 999 Meridian Ave., Alhambra, Calif.

Kingham Trailer Co., 15th & Hill Sts., Louisville 10, Ky. "Kingham-Universal."

Loadcraft — See Spencer-Safford Loadcraft Inc

No Slack—See Fontaine Truck Equipment Co

Silver Eagle Co 5885 NW St Helens Rd Portland 10 Ore

Simplex—See American Steel Foundries

Snyder Tank Corp 2773 Lake Shore Blvd (P O Box 14) Buffalo 5 N Y

Spencer-Safford Loadcraft Inc Augusta Kans "Loadcraft"

Trailmobile Inc 31st & Robertson Aves Cincinnati 9 Ohio "Twin-Grip"

Twin-Grip—See Trailmobile Inc

Weber Trailer & Mfg Co 8400 E Slauson Ave Rivera Calif (Mailing address P O Box 2473 Los Angeles 54 Calif)

WHEELS, Grinding

Allison-Campbell Div of American Chain & Cable Co 929 Connecticut Ave Bridgeport 2 Conn **(Cutting-off)**

Aloxite—See Carborundum Co.

Alundum—See Norton Co.

Bayflex—See Bay State Abrasive Products Co

Bay State Abrasive Products Co., 12 Union St., Westboro, Mass. **"Bayflex," "Saf-T-Cut"**

Besly-Welles Corp 20 N Wacker Drive Chicago 6 Ill "Besly-Titan" (Abrasive)

Black & Decker Mfg Co 629 Pennsylvania Ave Towson 4 Md

Blanchard Machine Co 64 State St Cambridge 39 Mass

Borolon—See Simonds Abrasive Co.

Carborundum Co Buffalo Ave Niagara Falls N Y "Carborundum" "Aloxite" "MX" "Green Grit"

Chicago Wheel & Mfg Co 1101 W Monroe St Chicago 7 Ill

Cincinnati Milling Machine Co Milling Products Div 4701 Marburg Ave Cincinnati 9 Ohio

Citco—See Cleveland Industrial Tool Co

Cleveland Industrial Tool Co Box 84 Chardon Ohio "Citco" (Abrasive)

Cool-R-Cut—See Diamond Tool Co

Crystolon—See Morton Co

Dayton Safety—See Simonds Worden White Co

deSanno & Son A P Wheatland St Phoenixville Pa "Radiac" "Por-Os-Way" "Por-O-Bor" "Husky"

Diamond Tool Co 246 Broadway South Haven Mich "Cool-R-Cut" (Carbide lapping; "Re-Lod-Able" diamond lapping)

Do All Co 254 N Laurel Ave Des Plaines Ill

Double XX—See Simonds Abrasive Co

Dumore Co 1300 17th St Racine Wis

Easymount—See Sterling Grinding Wheel Co

Electrolon—See Simonds Abrasive Co

Famco—See Field Abrasive Mfg Co

Fibrex—See Simonds Abrasive Co

Field Abrasive Mfg Co 1303 Stanley Ave Dayton 4 Ohio "Famco" (Abrasive)

Gardner Machine Co 444 E Gardner St Beloit Wis

Green Grit—See Carborundum Co

Husky—See A P deSanno & Son

Hytens—See Precision Grinding Wheel Co

Industrial Diamond Co 2392 Wolcott Ave Ferndale 20 Mich (Diamond)

Keystone Reamer & Tool Co Millersburg Pa

Kipp—See Madison-Kipp Corp

Lotens—See Precision Grinding Wheel Co

MX—See Carborundum Co

Madison-Kipp Corp 201 Waubesa St Madison 10 Wis "Kipp"

Manhattan—See Raybestos-Manhattan Inc

Metal Carbides Corp 107 E Indianola Ave Youngstown 7 Ohio "Talide" (Diamond)

Mid-West Abrasive Co 510 S Washington St Owosso Mich

Millers Falls Co Greenfield Mass

Minnesota Mining & Mfg Co 900 Bush Ave St Paul 6 Minn "3M"

Nataflex—See National Grinding Wheel Co

Natalite—See National Grinding Wheel Co

Natalon—See National Grinding Wheel Co

National Grinding Wheel Co North Tonawanda N Y "Natalon" "Natalite" "Nataflex" "Onalon" & "Onalite"

Norton Co 1 New Bond St Worcester 6 Mass "Crystolon" "Alundum"

Onalite—See National Grinding Wheel Co

Onalon—See National Grinding Wheel Co

Peninsular Grinding Wheel Div Abrasive & Metal Products Co 729 Meldrum Ave Detroit 7 Mich

Por-O-Bor—See A P deSanno & Son

Por-Os-Way—See A P deSanno & Son

Precision Grinding Wheel Co 8301 Torresdale Ave (Holmesburg) Philadelphia 36 Pa "Hytens" "Lotens" "Tuf-Cut"

Prosser & Son Thomas Felter Bldg Tenafly N J (Silicon carbide, aluminum oxide and diamond)

Radiac—See A P deSanno & Son

Raybestos-Manhattan Inc Manhattan Rubber Div 61 Willet St Passaic N J "Manhattan"

Re-Lod-Able—See Diamond Tool Co

Saf-T-Cut—See Bay State Abrasive Products Co

Sand-O-Grind—See Western Abrasives

Simex—See Simonds Abrasive Co

Simonds Abrasive Co., Tacony & Fraley Sts., Philadelphia 37, Pa. "Borolon." "Electrolon" "Fibrex" "Simex" "Double XX"

Simonds Worden White Co., 1101 Negley Place, Dayton 7, Ohio. "Dayton Safety."

Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis.

Standard Diamond Tool Corp 71 W 47th St New York 36 N Y

Sterbon—See Sterling Grinding Wheel Co

Sterling Grinding Wheel Co Wall St Tiffin Ohio "Easymount" "Sterlith" "Sterbon"

Sterlith—See Sterling Grinding Wheel Co

Talide—See Metal Carbides Corp

Thor Power Tool Co 175 State St Aurora Ill

3M—See Minnesota Mining & Mfg Co

Tuf-Cut—See Precision Grinding Wheel Co

United States Rubber Co., Rockefeller Center, 1230 Ave. of the Americas, New York 20, N Y

Western Abrasives 2132 S E Sixth Ave Portland 14 Ore "Sand-O-Grind" (Abrasive)

Wickman Mfg Co 10325 Capitol Ave Oak Park Detroit 37 Mich "Wickman" "Wickman-Neven" (Diamond)

Wissota Mfg Co 1301 S 3rd St Minneapolis Minn

WHEELS, Knurling

Kennametal Inc Lloyd Ave Latrobe Pa

Pratt & Whitney Co Charter Oak Blvd West Hartford 1 Conn

WHEELS, Rubber Tired (Floor Truck)

Aerol Co 3235 San Fernando Rd Los Angeles 65 Calif "Aerol" "Aerol-Seal" "Aerothane" "Airlite" (Aluminum)

Airlite—See Aerol Co

American Pulley Co 4200 Wissahickon Ave Philadelphia 29 Pa

Clark Co Geo P 35 Canal St Windsor Locks Conn (Steel)

Colson Corp Elyria Ohio (Steel)

Dico Co 200 S W 16th St Des Moines 5 Iowa

EWC—See Electric Wheel Co

Electric Wheel Co 1120 N 28th St Quincy Ill "EWC" (Steel)

Fairbanks Co 393 Lafayette St N Y 3 N Y

Fargo Rubber Corp Samson Wheel Div 127 E 58th St Los Angeles 11 Calif "Samson"

Firestone Tire & Rubber Co 1200 Firestone Parkway Akron Ohio (Steel)

French & Hecht Div Kelsey-Hayes Co P O Box 690 Davenport Iowa (Steel)

Geneva Metal Wheel Co 191 Factory Row Geneva Ohio

Hamilton Caster & Mfg Co 1517 Dixie Highway Hamilton Ohio (Also plastic and semi-steel)

Lanco—See Lansing Co

Lansing Co 603 N Cedar St Lansing 3 Mich "Lanco"

Nutting Truck & Caster Co 1201 W Division St Faribault Minn

Orangeville Mfg Co Orangeville Pa

Rapids-Standard Co Rapistan Bldg Grand Rapids 2 Mich

Saginaw Products Corp 68 Williamson St Saginaw Mich (Steel)

Samson—See Fargo Rubber Corp

Thomas Truck & Caster Co 931 Mississippi River Keokuk Iowa (Steel)

United Mfg Co 5250 Dobeckmun Ave Cleveland 2 Ohio

United States Rubber Co Rockefeller Center 1230 Ave of the Americas N Y 20 N Y (Steel)

Wellington Machine Co 135 DeWolf St Wellington Ohio

WHEELS, Steering

Inland Mfg. Div., General Motors Corp., 2727 Inland Ave., Dayton 1, Ohio.

Sheller Mfg Corp Steering Wheel Div 8 Bridge St Portland Ind

United States Rubber Co., Rockefeller Center, 1230 Ave. of the Americas, New York 20, N. Y.

WHEELS, Trailer

Aluminum Co of America 1501 Alcoa Bldg Pittsburgh 19 Pa (Aluminum)

Budd Co., Wheel Div., 12141 E. Charlevoix Ave., Detroit 14, Mich.

Dayton Steel Foundry Co., 1366 Miami Chapel Rd., Dayton, Ohio. (Steel.)

Differential Wheel Div Anderson-Bolling Mfg P O Box 350 Grand Haven Mich (Differential dual)

Erie Malleable Iron Co Automotive Wheel Div 609 W 12th St Erie Pa (Single and dual pneumatic, malleable iron)

Firestone Steel Products Co 1600 Firestone Parkway Akron 1 Ohio (Disc)

French & Hecht Div Kelsey-Hayes Co P O Box 690 Davenport Iowa

Geneva Metal Wheel Co., 191 Factory Row, Geneva, Ohio

Gunite Foundries Corp 302 Peoples Ave Rockford Ill (Cast steel)

Homan & Co 511 Reading Rd Reading Cincinnati 15 Ohio (Aluminum and steel)

Kelsey-Hayes Co 3600 Military Ave Detroit 32 Mich

Motor Wheel Corp 735 E Saginaw St Lansing 3 Mich "Spokesteel" (Disc steel)

Permold Co., 820 W. Liberty St., Medina Ohio. (Aluminum.)

Spokesteel—See Motor Wheel Corp

WHISTLES—See Horns

WINCHES, Truck

Adaloy—See Adams Engrg. Co.

Adams Engrg Co 31711 Solon Rd Solon Ohio "Adaloy" & "Adams" (Power)

Beebe Bros., 2724 Sixth Ave., S., Seattle 4, Wash (Hand)

Braden Winch Div of Motor Products Corp Box 547 Broken Arrow Okla (Power)

Burtchaell Heating Co 2944 S E Powell Blvd Portland 2 Ore "Pacific" (Electric power)

Carco—See Pacific Car & Fdry Co

Fulton Co 1912 S 32nd St Milwaukee 14 Wis (Hand)

Gar Wood Industries Inc Wayne Mich (Power)

Heil Co TEC Div 1285 W 70th St Cleveland 2 Ohio

Highway Trailer Co 405 E Fulton St Edgerton Wis (Power)

Holan Corp 4100 W 150th St Cleveland 35 Ohio (Power)

King—See Koenig Iron Works Inc

Koenig Iron Works Inc P O Box 7726 Houston 10 Tex "King" (Power)

Little Giant Products, Inc., 1530 N. Adams St., Peoria 3, Ill. (Hand.)

Manley Div Douglas Motors Inc 1234 N 62nd St Milwaukee 13 Wis

Ohio Hoist Mfg Co 321 S Beaver St Lisbon Ohio (Hand)

Pacific—See Burtchaell Heating Co

Pacific Car & Foundry Co Fourth & Factory Sts Renton Wash "Carco" (Power)

Ramsey Winch Mfg Co 5531 E Admiral Pl Tulsa Okla

Rocket—See David Round & Son

Round & Son David Box 883 Cleveland 22 Ohio "Rocket" (Power)

Sasgen Derrick Co., 3101 W. Grand Ave., Chicago 22, Ill. (Power)

Silent Hoist & Crane Co 841 63rd Ave Brooklyn 20 N Y (Power)

WINCHES, Truck—continued

Stimmel Winch Co., 37-24 33rd St., Long Island City 1, L. I., N. Y. (Power.)
Tulsa Winch Div of Vickers Inc 815 E First St Tulsa 20 Okla (Power)
Ven Corp 2828 Newell St Los Angeles 39 Calif (Electric)
Watson Co H S 1316 67th St Emeryville 8 Calif (Hand)

WINDINGS, ARMATURE—See Armatures

WINDINGS, FIELD COIL—See Coils, Field

WINDINGS, Ignition Coil

R-B-M Div Essex Wire Corp Chestnut & Hanna St Logansport Ind

WINDOW FRAMES, METAL (AUTO) — See Frames, Window, Metal Sash (Auto)

WINDOW REGULATORS — See Regulators, Window

WINDOW SWITCHES—See Switches, Seat and Window (Electric)

WINDOW WASHERS—See Washers, Windshield

WINDOWS, Metal Sash (Bus, Cab and Trailer)

Excel Corp 1120 N Main St Elkhart Ind "XL"
Imperial Electrical Co N Plum St Union City Ind (Cab and trailer)
Marvel Industries Inc Sturgis Mich (Aluminum for house trailers)
Visionator Inc 120 N Peoria St Chicago 7 Ill (Bus)
Woodlin Metal Products Co Div Muskegon Motor Specialties Co Marshall Mich (House trailer and bus)
XL—See Excel Corp
Young Windows Inc 810 Biddle Ave Rear Ardmore Pa (Bus truck and house trailer)

WINDSHIELD FITTINGS—See Visors, Windshield; Wipers, Windshield

WINDSHIELD SEALING COMPOUNDS—See Compounds, Windshield Sealing

WINDSHIELDS

Ainsworth-Precision Castings Co Div of Harsco Corp 3200 Guardian Bldg Detroit 26 Mich
Imperial Electrical Co N Plum St Union City Ind
Troy Sunshade Co., Troy, Ohio.

WINDSHIELD WASHERS — See Washers, Windshield

WIPERS, Windshield (Air)

Air Push—See Sprague Devices Inc
NP—See National Pneumatic Co
National Pneumatic Co 125 Amory St Boston 19 Mass "NP"
Sprague Devices Inc 500 Huron St Michigan City Ind "Air Push"
Trico Products Corp 817 Washington St Buffalo 3 N Y (For trucks and buses)

WIPERS, Windshield (Electric)

American Bosch Div American Bosch Arms Corp 3664 Main St Springfield 7 Mass "American Bosch Neverstall"
Auto-Lite—See Electric Auto-Lite Co
Delco Appliance Div General Motors Corp 391 Lyell Ave Rochester 1 N Y "Power Sweep"
Electric Auto-Lite Co Toledo 1 Ohio "Auto-Lite"
Power Sweep—See Delco Appliance Div
Signal Mfg Co 69 Bennett St Lynn Mass

WIPERS, Windshield (Vacuum)

Trico Products Corp., 817 Washington St., Buffalo 3, N. Y.

WIRE, Armature Banding

Page Steel & Wire Div American Chain & Cable Co P O Box 692 Monessen Pa
Seneca Wire & Mfg Co Vine St Fostoria Ohio
Worcester Wire Works Div of National-Standard Co 70 James St Worcester Mass

WIRE BELTING, FLEXIBLE—See Belting, Flexible Wire (Industrial)

WIRE, Braid

National-Standard Co Eighth & Howard Sts Niles Mich

WIRE CABLE—See Cable, Brake Control

WIRE FORMS—See Forms, Wire

WIRE, IGNITION, STARTING AND LIGHTING—See Cable, Ignition, Starting and Lighting; also Cables (Sets)

WIRE, Metallizing

(See also Solder)

Metallizing Engineering Co 1101 Prospect Ave Westbury L I N Y "Metco"
Metco—See Metallizing Engineering Co

WIRE, Music

National-Standard Co Eighth & Howard Sts Niles Mich
Worcester Wire Works Div of National-Standard Co 70 James St Worcester Mass

WIRE, Nut

Youngstown Sheet & Tube Co P O Box 900 Youngstown 1 Ohio

WIRE, Phosphor Bronze, Brass and Copper

American Brass Co 414 Meadow St Waterbury 20 Conn "Anaconda" "Durafley" (Phosphor bronze)
Anaconda—See American Brass Co
Bridgeport Brass Co 30 Grand St Bridgeport 2 Conn
Chase Brass & Copper Co 236 Grand St Waterbury 20 Conn
Chicago Extruded Metals Co 1602 S 54th Ave Cicero 50 Ill (Brass)
Copperweld Steel Co Wire & Cable Div Glassport Pa (Copper covered steel; bronze and copper)
Durafley—See American Brass Co
Porter Co H K Riverside-Alloy Metal Div Pavilion Ave Riverside N J "Riverside" (Phosphor bronze and Beryllium copper)
Riverside—See H K Porter Co
Roebling's Sons Corp John A 640 S Broad St Trenton N J
Scovill Mfg Co 99 Mill St Waterbury 20 Conn (Phosphor bronze and brass)
Seymour Mfg Co 15 Franklin St Seymour Conn (Phosphor bronze)
Titan Metal Mfg Co Bellefonte Pa
United Wire & Supply Corp 1497 Elmwood Ave Providence 7 R I (Brass and copper)

WIRE, Steel

American Steel & Wire Div U S Steel Corp Rockefeller Bldg Cleveland 13 Ohio "Premier" (Stainless)
Bethlehem Steel Co Bethlehem Pa (Spoke and spring)
Brassply—See National-Standard Co
CF&I Wickwire—See Colorado Fuel & Iron Corp (Spring)
Colorado Fuel & Iron Corp Wickwire Spencer Steel Div 575 Madison Ave New York 22 N Y "CF&I-Wickwire" (Spring)
Copperply—See National-Standard Co
Eaton Mfg Co Reliance Div 25 Charles Ave S E Massillon Ohio
Jones & Laughlin Steel Corp 3 Gateway Center Pittsburgh 30 Pa (Spring)
Micro-Tin—See National-Standard Co
National-Standard Co 8th & Howard Sts Niles Mich "Brassply" "Copperply" "Micro-Tin" "Nilcor" "Nickelply" "Trucoat" (Spring)
Nickelply—See National-Standard Co
Nilcor—See National-Standard Co
Page Steel & Wire Div. American Chain & Cable Co P O Box 692 Monessen Pa (Spring)
Pittsburgh Steel Co 1600 Grant Bldg Pittsburgh 30 Pa (Spoke)
Premier—See American Steel & Wire Div
Republic Steel Corp 1441 Republic Bldg Cleveland 1 Ohio (Spring)
Roebling's Sons Corp John A 640 S Broad St Trenton N J (Spring)
Seneca Wire & Mfg Co Vine St Fostoria Ohio (Round and flat spring)
Titchener & Co E H 67 Clinton St Binghamton N Y (Spring)
Trucoat—See National-Standard Co

WIRE STRIPPING MACHINES — See Machines, Wire Stripping

WIRE STRIPPING TOOLS—See Tools, Wire Stripping

WIRE, Tire

National-Standard Co Eighth & Howard Sts Niles Mich
Roebling's Sons Corp John A 640 S Broad St Trenton 2 N J (Bead)

WIRE, Welding

(See also Rods, Welding)

Air Reduction Sales Co Socony-Mobil Bldg 150 E 42nd St N Y 17 N Y "Airomatic" (Steel)
Alloy Rods Co W Market St York Pa "Wear-O-Matic"
All-State Welding Alloys Co 249 Ferris Ave White Plains N Y "Spoolarc"
Aluminum Co of America 1501 Alcoa Bldg Pittsburgh 19 Pa
American Steel & Wire Co Rockefeller Bldg Cleveland 13 Ohio "Premier"
Ampco Metal Inc 1737 S 38th St Milwaukee 46 Wis "Ampco-Trode" "Phos-Trode"
Colonial Alloys Co Ridge Ave & Crawford St Philadelphia 29 Pa "Colweld"
Colweld—See Colonial Alloys Co
Eutectic Welding Alloys Corp 40-40 172nd St Flushing N Y
Kaiser Aluminum Chemical Corp 1924 Broadway Oakland 12 Calif (Aluminum)
Linde Air Products Co., 30 E. 42nd St., New York 17, N. Y. "Oxweld."
Metal & Thermit Corp Rahway N J "Murex" (Coated)
Murex—See Metal & Thermit Corp
Oxweld—See Linde Air Products Co
Page Steel & Wire Div American Chain & Cable Co PO Box 692 Monessen Pa
Phos-Trode—See Ampco Metal Inc
Premier—See American Steel & Wire Co
Scully Steel Products Co 1319 Wabansia Ave Chicago Ill
Spoolarc—See All-State Welding Alloys Co
Wear-O-Matic—See Alloy Rods Co

WIRES, SPARK PLUG—See Cables (Sets)

WIRING CONDUIT—See Conduit, Flexible Car Wiring

WIRING HARNESS CONNECTORS—See Connectors, Wiring Harness

WIRING MANIFOLDS—See Conduit, Flexible Car Wiring

WIRING PRESSES—See Presses, Sheet Metal Working

WIRING SETS, IGNITION STARTING AND LIGHTING—See Cables (Sets)

WORMS and WORM GEARS—See Gears, Worm Drive (Truck)

WRECKING DEVICES—See Cranes, Service Truck

WRENCHES, Drain Plug

Blackhawk—See New Britain Machine Co
Cornwell Quality Tools Co., Mogadore, Ohio
Duro Metal Products Co., 2649 N. Kildare Ave., Chicago 39, Ill.
Herbrand Div Bingham-Herbrand Corp Lake & Stone Sts Fremont Ohio "Herbrand" "Van Chrome"
Indestro Mfg Co 2649 N Kildare Ave Chicago Ill
Ken Tool Mfg Co 394 Sherman St Akron Ohio
Kent-Moore Organization Inc 28635 Mound Rd Warren Mich
Lightnin—See R J Loock & Co
Loock & Co R J 343 N Gay St Baltimore Md "Lightnin"
New Britain Machine Co Hand Tools Div South St New Britain Conn "Blackhawk" & "New Britain"
Petersen Mfg Co DeWitt Nebr
Reda-Turner Mfg Co 311 Page Blvd Springfield 4 Mass
Van Chrome—See Herbrand Div Bingham-Herbrand Corp

WRENCHES, Ignition

Billings & Spencer Co 1 Laurel St Hartford 1 Conn "Vitalloy"
Blackhawk—See New Britain Machine Co
Bonney Forge & Tool Works 2400 Rockhill Rd N Alliance Ohio
Cornwell Quality Tools Co Mogadore Ohio
Duro Metal Products Co 2649 N Kildare Ave Chicago 39 Ill
Herbrand Div Bingham-Herbrand Corp Lake & Stone Sts Fremont Ohio "Herbrand" "Van Chrome"
Indestro Mfg. Co., 2649 N. Kildare Ave., Chicago, Ill
K-D Mfg Co 526 N Plum St Lancaster Pa
Kastar Inc 200 Lincoln Ave New York 54 N Y
Kem Mfg Co 20-21 Wagaraw Rd Fair Lawn N J
Lightnin—See R J Loock & Co
Loock & Co R J 343 N Gay St Baltimore Md "Lightnin"
Metal Engrg Co 134 N La Salle St Chicago Ill "Metcoid"
Metcoid—See Metal Engrg Co
New Britain Machine Co Hand Tools Div South St New Britain Conn "Blackhawk" & "New Britain"
Niehoff & Co C E 4925 W Lawrence Ave Chicago 30 Ill
OTC—See Owatonna Tool Co
Owatonna Tool Co 342 N Cedar St Owatonna Minn "OTC"
P & C Tool Co Box 5926 Milwaukie Ore
Proto Tools Co 2009 Santa Fe Ave Los Angeles Calif
Shaw Co Joseph 6120 Detroit Ave Toledo 12 Ohio
Snap-On Tools Corp., 8046 28th Ave., Kenosha, Wis.
Standard Motor Products Inc 37-18 Northern Blvd Long Island City 1 N Y
Superrench—See J H Williams & Co
Van Chrome—See Herbrand Div., Bingham-Herbrand Corp.
Vitalloy—See Billings & Spencer Co.
Wheel Parts & Mfg Co 352 Fourth Ave N Y 10 N Y
Wilde Drop Forge & Tool Co., 2936 Fairmount Ave., Kansas City, Mo.
Williams & Co J H 400 Vulcan St Buffalo 7 N Y "Superrench"

WRENCHES, Nut and Bolt

(See also Wrenches, Socket)

Apco Mossberg Co Lamb St Attleboro Mass "Mossberg"
Armstrong Bros Tool Co 5200 W Armstrong Ave Chicago 16 Ill
Auburn Spark Plug Co York St Auburn N Y (Spark plug)
Billings & Spencer Co 1 Laurel St Hartford 1 Conn
Blackhawk—See New Britain Machine Co
Blu-Forge—See Bridgeport Hardware Mfg Corp
Bonney Forge & Tool Works 2400 Rockhill Rd N Alliance Ohio
Bridgeport Hardware Mfg Corp 461 Iranistan Ave Bridgeport Conn "Blu-Forge" "Hy-Bar"
C-T-K—See Chicago Tool & Kit Mfg. Co.
Chicago Tool & Kit Mfg Co 230 N Jefferson St Chicago 6 Ill "C-T-K"
Cornwell Quality Tools Co., Mogadore, Ohio.
Duro Metal Products Co., 2649 N. Kildare Ave., Chicago 39, Ill. "Duro Chrome."
Fairmount Tool & Forging Inc 10611 Quincy Ave., Cleveland 6, Ohio.
Favorite—See Greene Tweed & Co
Greene Tweed & Co North Wales Pa "Favorite"
Herbrand Div Bingham-Herbrand Corp Lake & Stone Sts Fremont Ohio "Herbrand" "Van Chrome"
Hy-Bar — See Bridgeport Hardware Mfg Corp
Indestro Mfg Co 2649 N Kildare Ave Chicago Ill
Kastar Inc 200 Lincoln Ave New York 54 N Y
Ken Tool Mfg Co 768 E North St Akron Ohio (Wheel)
Kent-Moore Organization Inc 28635 Mound Rd Warren Mich
Lectrolite Corp Hickory St Defiance O
Lee Co K O Congress at First Ave S E Aberdeen S D (Stud)
Lisle Corp 809 E Main St Clarinda Iowa
Mac—See Mechanic's Tool & Forge Co
Mechanic's Tool & Forge Co Howard St Sabina 1 Ohio "Mac"
Metal Engineering Co 134 N La Salle St Chicago Ill "Metcoid"
Metcoid—See Metal Engineering Co
Mossberg—See Apco Mossberg Co
Nasa Tool Mfg Corp 3427 Locust Corner Rd Amelia Ohio
National—See Wheel Parts & Mfg Co
New Britain Machine Co Hand Tools Div South St New Britain Conn "Blackhawk" & "New Britain"
Owatonna Tool Co 342 N Cedar St Owatonna Minn
P & C Tool Co Box 5926 Milwaukie Ore
Petersen Mfg. Co., DeWitt, Neb. "Vise-Grip." (Locking.)
Proto Tools Co 2209 Santa Fe Ave Los Angeles 54 Calif
Rhode Island Tool Co 148 W River St Providence 1 R I
Sal Metal Products Co., 120 Freeman St., Brooklyn 22, N. Y. "Sam-Sons."
Sam-Sons—See Sal Metal Products Co.
Snap-On Tools Corp 8046 28th Ave Kenosha Wis
Stevens Walden Inc 475 Shrewsbury St Worcester Mass "Walden-Worcester"
Superrench—See J H Williams & Co
Sweeney Mfg Co B K 6300 E 44th St Denver 16 Colo
Utica Drop Forge & Tool Div of Kelsey-Hayes Co 2500 Whitesboro St Utica N Y (Adjustable)
Van Chrome—See Herbrand Div Bingham-Herbrand Corp
Vise-Grip—See Petersen Mfg Co
Vlchek Tool Co 3001 E 87th St Cleveland 4 Ohio
Walden-Worcester—See Stevens Walden Inc
Wheel Parts & Mfg Co 352 Fourth Ave N Y 10 N Y "National" (Wheel)
Williams & Co J H 400 Vulcan St Buffalo 7 N Y "Superrench"

WRENCHES, Portable Electric

Albertson & Co 3100 Lowell Ave Sioux City 3 Iowa "Sioux" (Impact)
Black & Decker Mfg Co 629 Pennsylvania Ave Towson 4 Md
Chicago Pneumatic Tool Co 6 E 44th St N Y 17 N Y "Hicycle" "Universal" (Impact)
Hicycle—See Chicago Pneumatic Tool Co
Impactool—See Ingersoll-Rand Co
Ingersoll-Rand Co 11 Broadway New York 4 N Y "Impactool" (Impact)
Millers Falls Co 57 Wells St Greenfield Mass (Impact)
Remington Arms Co 939 Barnum Ave Bridgeport 2 Conn
Sioux—See Albertson & Co
Snap-On Tools Corp 8046 28th Ave Kenosha Wis
SpeedWay Mfg Co 1421 Barnsdale Rd La Grange Park Ill "Thor SpeedWrenches" (Impact)
Thor Power Tool Co 175 State St Aurora Ill
Thor SpeedWrenches—See SpeedWay Mfg Co
Universal—See Chicago Pneumatic Tool Co

WRENCHES, Portable Pneumatic

Albertson & Co 3100 Lowell Ave Sioux City 3 Iowa "Sioux"
Aro Equipment Corp., Bryan, Ohio.
Buckeye Tools Corp 5005 Springboro Pike Dayton 9 Ohio
CP—See Chicago Pneumatic Tool Co
Chicago Pneumatic Tool Co 6 E 44th St New York N Y "CP" "Tork-Master" (Impact)
Cleco Div. of Reed Roller Bit Co., 5125 Clinton Drive, Houston 1, Tex.
Gardner-Denver Co S Front St Quincy Ill
Impactool—See Ingersoll-Rand Co
Ingersoll-Rand Co 11 Broadway New York 4 N Y "Impactool" (Impact)
Master Power Corp Krick Rd Bedford Ohio (Impact)
Rotor Tool Co 23600 Lakeland Blvd Cleveland 32 Ohio
Sioux—See Albertson & Co
Thor Power Tool Co 175 State St Aurora Ill (Impact)
Tork-Master—See Chicago Pneumatic Tool Co

WRENCHES, Socket

Apco Mossberg Co Lamb St Attleboro Mass "Mossberg"
Apex Machine & Tool Co., 1025 Patterson Blvd., Dayton, Ohio.
Armstrong Bros. Tool Co., 5200 W. Armstrong Ave Chicago 46 Ill
Billings & Spencer Co 1 Laurel St Hartford 1 Conn "Vitalloy"
Blackhawk—See New Britain Machine Co
Bonney Forge & Tool Works 2400 Rockhill Rd N Alliance Ohio
Boxtite—See Stevens Walden, Inc.
C-T-K—See Chicago Tool & Kit Mfg. Co.
Challenger—See Penens Tool Corp
Chicago Tool & Kit Mfg Co 230 N Jefferson St Chicago 6 Ill "C-T-K"
Cincinnati Tool Co 1953 Waverly Ave Cincinnati 12 Ohio "Hargrave"
Cleveland Cap Screw Co 4444 Lee Rd Cleveland 28 Ohio
Cornwell Quality Tools Co., Mogadore, Ohio.
Curtiss & Smith Mfg. Corp., 22 High St., Pottstown, Pa.
Duro Metal Products Co., 2649 N. Kildare Ave., Chicago 39, Ill. "Duro Chrome."
Fairmont Tool & Forging Inc 10611 Quincy Ave Cleveland 6 Ohio
Favorite—See Greene Tweed & Co
G M Co Mfg Inc 13-08 43rd Ave Long Island City L I N Y
Greene Tweed & Co North Wales Pa "Favorite"
Hargrave—See Cincinnati Tool Co.
Herbrand Div Bingham-Herbrand Corp Lake & Stone Sts Fremont Ohio "Herbrand" "Van Chrome"
Hunter Tools 9851 Alburtis Ave Santa Fe Springs Calif
Indestro Mfg Co 2649 N Kildare Ave Chicago Ill
K-D Mfg Co 526 N Plum St Lancaster Pa
Mac—See Mechanic's Tool & Forge Co.
Mechanic's Tool & Forge Co., Howard St., Sabina 1, Ohio. "Mac."
Mossberg—See Apco Mossberg Co
Nasa Tool Mfg Corp 3427 Locust Corner Rd Amelia Ohio
New Britain Machine Co Hand Tools Div South St New Britain Conn "Blackhawk" "New Britain"
OTC—See Owatonna Tool Co.
Owatonna Tool Co., 342 N. Cedar St., Owatonna, Minn. "OTC."
P & C Tool Co Box 5926 Milwaukie Ore
Penens Tool Corp 3900 Wesley Terrace Schiller Park Ill "Challenger"
Proto Tools Co 2209 Santa Fe Ave Los Angeles 54 Calif
S-K—See Sherman-Klove Co.
Set Screw & Mfg Co 270 Main St Bartlett Ill (Hexagon)
St. Pierre Chain Corp., Frank St., Worcester, Mass.
Sherman-Klove Co., 3535 W. 47th St., Chicago 32, Ill. "S-K."
Snap-On Tools Corp., 3046 28th Ave., Kenosha, Wis.
Spintite—See Stevens Walden Inc
Stevens Walden Inc 475 Shrewsbury St Worcester Mass "Walden-Worcester" "Tee-Flex" "Spintite" "Boxtite"
Supersocket—See J H Williams & Co
Sweeney Mfg Co 6300 E 44th St Denver 16 Colo
TeeFlex—See Stevens Walden Inc
Van Chrome—See Herbrand Div Bingham-Herbrand Corp
Vitalloy—See Billings & Spencer Co
Vlchek Tool Co 3001 E 87th St Cleveland Ohio
Walden-Worcester—See Stevens Walden Inc
Williams & Co J H 400 Vulcan St Buffalo 7 N Y "Supersocket"
Wright Tool & Forge Co 42 E State St Barberton Ohio

WRENCHES, SPARK PLUG—See Wrenches, Nut and Bolt

WRENCHES, TENSION—See Wrenches, Torque

WRENCHES, Torque

Ammco Tools Inc 2100 Commonwealth Ave North Chicago Ill
Apco Mossberg Co Lamb St Attleboro Mass "Mossberg"
Blackhawk—See New Britain Machine Co
C. & G. Wheel Puller Co., Scio, N. Y. (Preset.)
Cedar Rapids Engineering Co 902 17th St N E Cedar Rapids Iowa "Kwik-Way"
Chicago Tool & Kit Mfg Co 230 N Jefferson St Chicago 6 Ill
Cornwell Quality Tools Co Mogadore Ohio
Duro Metal Products Co 2649 N Kildare Ave Chicago 39 Ill "Duro Chrome"
Fairmont Tool & Forging Inc 10611 Quincy Ave Cleveland 6 Ohio
Hastings Mfg Co N Hanover St Hastings Mich
Herbrand Div Bingham-Herbrand Corp Lake & Stone Sts Fremont Ohio "Herbrand" "Van Chrome"

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is included as a regular feature in the December 15th issue of AUTOMOTIVE INDUSTRIES as part of its expanding editorial service to you.

This handy Products Guide provides you with a quick source for locating suppliers of countless products, machines and equipment used in automotive and aviation manufacturing—right at your fingertips.

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●

The Editor

AUTOMOTIVE INDUSTRIES

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Chestnut & 56th Sts. Philadelphia 39, Pa.

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WRENCHES, Torque—continued

Jo-Line Tools Inc 8442 Otis St South Gate Calif "Joel" "Joex" "Jomi" "Jote" "Jotru"
Joel—See Jo-Line Tools Inc
Joex—See Jo-Line Tools Inc
Jomi—See Jo-Line Tools Inc
Jote—See Jo-Line Tools Inc
Jotru—See Jo-Line Tools Inc
Kent-Moore Organization Inc 28635 Mound Rd Warren Mich
Kwik-Way—See Cedar Rapids Engineering Co
La Salle Machine Tool Inc 3840 E Outer Dr Detroit 34 Mich
Livermont—See Richmont Inc
Measurrench—See J H Williams & Co
Mossberg—See Apco Mossberg Co
New Britain Machine Co Hand Tool Div South St New Britain Conn "Blackhawk" & "New Britain"
Owatonna Tool Co 342 N Cedar St Owatonna Minn
P & C Tool Co Box 5926 Milwaukie Ore
Proto Tools Co 2209 Santa Fe Ave Los Angeles 54 Calif
Reasor Mfg. Co., 13th & Indiana Ave., St. Charles, Ill.
Richmont Inc 922 S Myrtle Ave Monrovia Calif "Livermont"
Snap-On Tools Corp 8046 28th Ave Kenosha Wis
Sturtevant Co P A Addison Ill
Sunnen Products Co 7910 Manchester Ave St Louis 17 Mo
Sweeney Mfg Co B K 6200 E 44th St Denver 16 Colo "Sweeney Power-ranch"
Van Chrome—See Herbrand Div Bingham-Herbrand Corp
Williams & Co J H 400 Vulcan St Buffalo 7 N Y "Measurrench"
Wilson Inc K R Arcade N Y

X-RAY MACHINES—See Machines, X-Ray

YARN, Cellulose Acetate

Chemstrand Corp 350 Fifth Ave N Y 1 N Y (For tires, seat belts, tarpaulins and air springs)

YARN, Nylon

Industrial Rayon Corp 660 Union Commerce Bldg Cleveland 1 Ohio

YARN, Rayon

American Enka Corp 530 Fifth Ave New York 36 N Y "Suprenka" "Super-Suprenka" "Tempra" (For tires)
American Viscose Corp 1617 Pennsylvania Blvd Philadelphia 3 Pa "Avisco" (For upholstery; "Rayflex" and "Super-Rayflex" for tires)
Avisco—See American Viscose Corp
Celanese Corp of America Fibers Div P O Box 1414 Charlotte 1 N C "Fortisan"
Fortisan—See Celanese Corp
I-R-C—See Industrial Rayon Co
Industrial Rayon Co 660 Union Commerce Bldg Cleveland 1 Ohio "I-R-C"
Rayflex—See American Viscose Corp
Super-Rayflex—See American Viscose Corp
Super-Suprenka—See American Enka Corp
Suprenka—See American Enka Corp
Tempra—See American Enka Corp

ZINC (Plates, Slabs, Sheets and Strips)

American Nickeloid Co Peru 34 Ill (Chrome nickel brass and copper plated in sheets and coil)
American Zinc Lead & Smelting Co 1600 Paul Brown Bldg St Louis 1 Mo "American" "Granby" (Slabs; sole distributors, American Zinc Sales Co 1600 Paul Brown Bldg St Louis 1 Mo)
Apollo Metal Works Inc Clearing Station Chicago 38 Ill (Nickel and chromium plated zinc sheets and coils)
Belmont Smelting & Refining Works 326a Belmont Ave Brooklyn N Y
Bunker Hill Co 5th Floor 600 Market St San Francisco 4 Calif (Slabs)
Eagle-Picher Co American Bldg Central Parkway, Cincinnati Ohio (Slab)
Empire Metal Co 820 E Water St Syracuse 3 N Y
Federated Metals Div American Smelting & Refining Co 120 Broadway New York 5 N Y (Slabs)
Granby—See American Zinc Lead & Smelting Co
Horse Head Special—See New Jersey Zinc Co
National Lead Co 111 Broadway N Y 6 N Y
New Jersey Zinc Co 160 Front St New York 38 N Y "Horse Head Special" (Slabs)

ZIPPERS—See Fasteners, Slide

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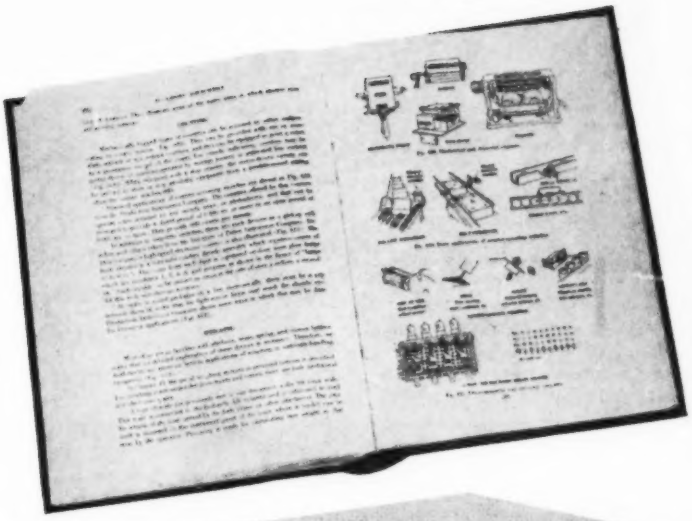

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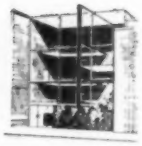
A CHILTON  PUBLICATION

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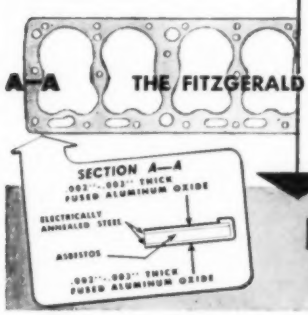

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MACHINES · FIXTURES
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High Production, Semi Production Service

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MICROMATIC HONE CORP.
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THE TREND IN DRAFTING ROOMS THROUGHOUT THE WORLD IS TOWARD IMPERIAL, THE WORLD'S FINEST TRACING CLOTH

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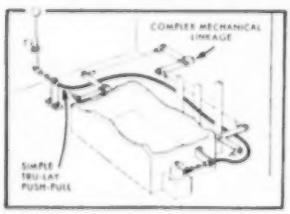

Push-Pull remote controls, shown here, are flexible, have but one moving part, and give a lifetime of accuracy. Mechanical linkages are complex, are made of many parts, wear at many points, and produce increased backlash, lost accuracy, and vibration rattles.

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ACCO

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Popular package is 8-oz. can fitted with Bakelite cap holding soft-hair brush for applying right at bench; metal surface ready for layout in a few minutes. The dark blue background makes the scribed lines show up in sharp relief, prevents metal glare. Increases efficiency and accuracy.

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THE DYKEM CO., 2301-L N. 11TH ST., ST. LOUIS 6, MO.

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FREE LITERATURE

Barrel Finishing 1

The "Abrasives' Workshop," number four, is the title of a booklet concerning the CARBOtrol system of barrel finishing. It contains a list of do's and dont's for operators. *The Carborundum Co.*

Limit Switches 2

A two page data sheet describes two new oiltight maintained-contact yoke-actuator switches. This sheet contains photographs, dimension drawings, characteristics, electrical ratings and price information. *Micro Switch a div of Honeywell.*

Aluminum Bearings 3

A brochure titled "The Technology of Bunting Bearing Aluminum Bars" has been issued in 12 pages, and is small enough to fit an inside coat pocket. It covers specification data, tabular matter and technical facts. *The Bunting Brass and Bronze Co.*

Solenoid Valves 4

A bulletin showing the applications, general description, operation and a price list has been offered. This literature contains a chart of specifications and capacities of the various types of valves. *Automatic Switch Co.*

Govt. Spec. Catalog 5

A new edition of Government specifications for adhesives, sealants, paints, cleaning compounds and chemical compounds is offered by the *Magic Chemical Co.*

Recording Oscillograph 6

Type 5-119 recording oscillograph and accessories are described and illustrated in a 16 page brochure. It contains a chart showing specifications of standard and high performance galvanometers. Also included are details of operation, features and other technical data. *Electro Mechanical Instrument Div., Consolidated Electrodynamics Corp.*

(Please turn page)

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FREE LITERATURE — *Continued*

Disc Grinding 7

Literature describing the characteristics of disc wheels, and providing performance records on various grinding operations, has been released. This illustrated bulletin contains a recommendation chart for disc grinding of a wide range of diversified material. *The Maklin Co.*

Thread Fatigue 8

Thread failure is fully discussed in a new 30 page bulletin full of statistical thread data, charts, graphs and illustrations. This information is divided into eight sections and offered by the *Elastic Stop Nut Corp. of America.*

Heavy Duty Lathe 9

Bulletin 211 gives complete and illustrated specifications and capacity data on their new extension bed gap lathe, model HXB 26/45. This bulletin is 10 pages in length and is offered by the *Nebel Machine Tool Corp.*

Collets and Pads 10

An illustrated catalog describes a complete line of collets, pushers, feed fingers and pads. These items are for use on all types of screw machines. Also listed are lathe collets. All articles are listed in an easy to find manner. *Benco Collet Mfg. Co.*

Cleaning Solvents 11

New cleaning solvents are offered to industrial users, ranging from wash up to high safety factor blends, for use in hazardous locations. List of applications, safety factors, flash points, drying time and price list are available. *Harco Chemical Co.*

Spark Plugs 12

An Autolite spark plug bulletin, with charts showing information on pre-ignition and fouling, is offered. This booklet covers manufacturing, production, assembly and is also fully illustrated. *Electric Autolite Co.*

Precision Balls 13

A catalog on precision balls and related bearing products is offered. It contains the new AFBMA ball standards and has a cross reference to previous standards dated July 1956. The chart offers ball material contents, and rating for specific application. *The Hartford Steel Ball Co.*

Cavity Sinker 14

A booklet is available that shows the principle, productivity, applications, evaluation procedures and all the specification of the Anocut electrolytic horizontal cavity sinker. *Anocut Engineering Co.*

Ferrous Metallurgy 15

A copy of the Tempil° publication titled "Basic Guide to Ferrous Metallurgy" is available in a four color, 8½ by 11 in. version. The principal characteristics of steels (with carbon content ranging to 0.9 pct) are represented across the temperature range to 2900 deg F. The important working zones, including preheating for welding, stress relieving, normalizing, annealing, carburizing and forging are shown. At the right of the chart, 24 common metallurgical terms are defined and explained. A diagram symbolizing the change in grain size with temperature appears at the left. *Tempil° Corp.*

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FREE LITERATURE—
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Hinges 16

A data catalog listing over 1900 standard and semi-standard continuous hinges, in any commercial metal, is offered. It also covers special hinges for unusual application requirements. *The Rex Hinge Co.*

Drill Pointer 17

Helical, split point or conventional tips can be ground automatically by a drill point grinder that is described in a booklet offered by the *Winslow Product Engineering Corp.*

Rocker Switch 18

Literature that contains a complete description of a 20 amp rocker switch line, designated 0800 series, is now offered. It gives data for electrical ratings, material of construction, operating characteristics and suggested applications. *McGill Mfg. Co., Inc.*

Welding and Cutting 19

A completely illustrated brochure covering welding and cutting equipment is offered. It contains charts for hand and machine cutting data, welding tip size and application, recommended pressure and preheat information. There are also numerous charts on specifications of this equipment. *Victor Equipment Co.*

Hydraulic Machines 20

A new brochure illustrating accessories for hydraulic machines is now available. It describes a number of accessories which vary the standard cycles of hydraulic machines used for drilling and tapping. The units illustrated in this brochure include a time delay and reverse, a jump feed cam, a hydraulic tapping unit and many other items. *Baker Brothers, Inc.*

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Retaining Rings 21

An engineering specifications manual for retaining rings has been offered. It covers standard and custom rings and has many charts for quick reference. *Ramsey Corp.*

Furnace Brazing 22

A 15 page bulletin covers the increasing use of furnace brazing by giving many illustrations on the techniques and advantages of this operation. It contains a chart showing special atmosphere that was compiled from gas analyses. *The Electric Furnace Co.*

Inclinable Presses 23

Charts for strokes and shutheights, die space dimensions and complete specifications are in a booklet on open back inclinable presses. It is illustrated and has a description of all components and features of this machine. *Niagara Machine Tool Co.*

Numerical Control 24

Machine tool control by a numerical control positioning system is described in an illustrated booklet that is offered. It contains a specification list, operation and technical data and other general information. *Hughes Products.*

Perforated Metal 25

Information on twelve new additions to a line of industrial and decorative perforated sheet steel is available from the *Harrington and King Perforating Co., Inc.*

Thermocouple 26

A specification sheet, number S001-1a, contains a comprehensive explanation of the subject material based on the latest data from ASME. Graphs are also included to help in the selection of the proper well design and material. *Minneapolis-Honeywell Regulator Co.*

CLEAR-O-MATIC*

THE "CONTROLLED EXPANSION" PISTON

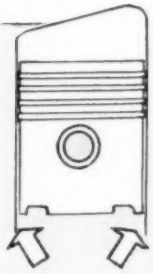
Engineered for COOLER RUNNING

20% Greater Heat Conductivity

GREATER DURABILITY

No Compromise with Strength in Design

Superiority is outstanding in the Zollner "Clear-O-Matic" Piston. The expertly engineered design of this great piston development incorporates vitally desired performance advantages in addition to the basic Zollner designed expansion control feature. Clear-O-Matic is a remarkably cool piston with greater area of conductivity for heat dissipation. This greater section provides uncompromised strength for long-life durability. No other piston provides Clear-O-Matic advantages. We suggest an immediate test for your engine.



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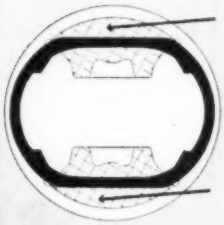
Anchored only at pin bosses and cast in positive contact with I.D. of piston skirt.

Automatically maintains uniform effective skirt clearance at all temperatures.



COOL PISTONS

20% greater section for heat conductivity.

DURABILITY

Greater section above pin bosses provides uncompromised strength with long life.

Design adaptable to full skirted or slipper type pistons for all gasoline engines.

Advanced Engineering

Precision Production

Cooperation with Engine Builders

ZOLLNER PISTONS

THE ORIGINAL EQUIPMENT PISTONS

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CASE HISTORIES

New N/D Land-Riding Seal made of oil resistant synthetic rubber is bonded to steel insert, crimped into outer ring. The lip of this permanent high efficiency seal rides inner ring O.D. Recommended where severe moist or dry contaminant conditions exist.

New N/D LAND-RIDING SEAL
Lengthens Propshaft Bearing Life!

CUSTOMER PROBLEM:
High contaminant operating conditions caused truck propeller shaft bearing seal problems. Mud, road tar and moisture thrown against propshaft challenged the protective abilities of even the most advanced closure and bearing seal.

SOLUTION:
N/D Sales Engineer, working closely with truck and propshaft manufacturers, recommended the use of new N/D Land-Riding Seal ball bearings. These exclusive N/D high-performance Seals are designed and precision-built to shut out damaging road tar, mud and moisture, even under the severest operating conditions. Maintenance is also reduced to a minimum because N/D Land-Riding Seal ball bearings are lubricated-for-life!

Now, the unsurpassed reliability of N/D Land-Riding Seals is extending truck propshaft bearing life many thousands of miles over ordinary bearings.

New Departure may have a solution to *your* bearing problems, too. Let a New Departure Sales Engineer suggest a maintenance-cutting N/D precision ball bearing for your product. Call or write New Departure Division, General Motors Corporation, Bristol, Connecticut.

Replacement ball bearings are available through United Motors System and its Authorized Bearing Distributors.

NEW DEPARTURE
BALL BEARINGS
proved reliability you can build around

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